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1908-09

BULLETIN

OHIO NORTHERN UNIVERSITY

ADA, OHIO

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Catalogue Number

1909 - 1910

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OHIO NORTHERN UNIVERSITY BULLETIN.

Vol. III., New Series. ADA, OHIO, JULY, 1909 NO. 2

Announcements

This issue of the Bulletin contains the courses of study, the roster of names and certain information general and specific regarding tuition-rates, cost of board and rooming, conditions of entrance, calendar and other matters of interest to former as well as prospective students.

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Attention is called to readjustments in the courses of study in the several colleges, especially in the College of Liberal Arts. It will be found that the revision differentiates the commonly called preparatory subjects from those properly collegiate. Heretofore much misconception has arisen concerning the amount and character of the work required for the several degrees, because would-be censors have not taken the trouble to translate the requirements of the Ohio Northern University into the customary college nomenclature. Those interested will note that the "entrance requirements" and the "credit-hours" necessary for a scholastic degree are the equivalent of those in the other colleges of the country.

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The large attendance in the summer term proves the wisdom of the change in the calendar, announced in preceding Catalogue Bulletins. Teachers, after closing their schools in the early summer, are enabled to enter the University at the beginning instead of the middle of a term, as heretofore, and to devote nine consecutive weeks to such study and investigation as they need or desire, and leave in time to attend their respective county and city institutes. This opportunity is welcomed by ambitious teachers who wish to spend a part of their summer vacation in further qualifying themselves for better positions or State examinations.

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It is a pleasure to report a very successful year, perhaps the best thus far in the history of the University. The large in-

crease in attendance, the earnest and loyal spirit of the student body, the unanimity of all concerned to maintain a lofty ideal for the school and its work, have been especially noteworthy. The sky betokens a splendid tomorrow. Rah! Rah! Rah! for the Ohio Northern.

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Within the year $5000 have been expended in fixtures and permanent improvements. The buildings are now provided with adequate fire-escapes; the College of Engineering is equipped with a gas-engine, a steam-engine and other appliances for instruction in applied science; the College of Music is supplied with an entirely new outfit of pianos, and the office with a vault and safe for the records. By the purchase of additional ground the area of the Athletic Field has been nearly doubled.

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Before the opening of the new school year, as the plan now is, the Pharmacy building will be moved from its present site and enlarged to meet the needs of the growing College of Pharmacy. The entire first floor, except the Dean's office, will be refitted and used for lectures and recitations. New extensions will increase the floor space of laboratories to 10,000 square feet. Considerable expense is to be incurred in furnishing the pharmaceutical laboratories with modern equipment. Each student will be provided with an individual locker and outfit, and no pains will be spared to have the accommodations and appliances of the O. N. U. College of Pharmacy equal to the best.

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At the recent meeting of the Board of Trustees steps were taken toward establishing an independent heating and lighting plant to cost about $10,000. It is hoped to have this in operation before the snows of the coming winter.

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The Trustees are negotiating the purchase of a large residence building near the campus in which to house the College of Music. Arrangements will be made for an assembly room, studios and practice rooms. Piano students will resort hither for practice.

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The winners of prizes during the year are as follows: The Lehr Prize for Oratory, H. D. Freeland; The Kuhn Prize for

Oratory—first, H. D. Freeland, second, Helen Ottmer; the Smith Prize for Spelling, Grace Violet.

——✦——

A movement originating among the young women of the University, looking to a segregation of men and women in separate "rooming" houses, has been brought to the attention of the Board of Trustees. The Trustees, unable to build a Ladies' Hall, urgently request the young women, so far as possible, to secure rooms in houses rented to women exclusively.

——✦——

The interest of the venerable Dr. Lehr, president emeritus, manifests itself in many ways. His presence in chapel is always an occasion for reminiscences and expressions of pardonable pride in the growth and progress of "my" school. Early in the year, in one of these visits, he presented to the Museum some relics having an historical as well as family, interest. Himself a soldier of the Civil War, son of a soldier of the War of 1812, the moment was full of pathos as he tenderly consigned to the care of the school a blood-stained Revolutionary flag of thirteen stars carried by his grandfather in the battles of Brandywine, Red Beach, Germantown and Monmouth. Several other relics of value were presented at the same time. Recently Dr. Lehr donated choice specimens to the Natural History Museum.

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Commencement week, brimful of good things, was marked by a high order of entertainment and festivity. A goodly number of alumni were present at the banquet on Wednesday evening. The thrill at meeting old acquaintances, the jolly reunions, the pleasant evenings spent at oratorical contest and Choral society concert, the brilliant military receptions, the stately processionals on Baccalaureate Sunday, Class Day and Commencement Morning and the dignified, inspiring and entertaining literary exercises and addresses on every occasion will linger long in memory's halls.

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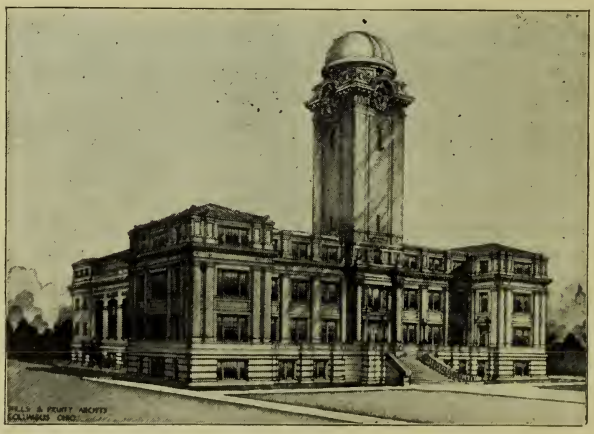
The proposition to erect on the most conspicuous spot, in the center of the campus, a magnificent college building to stand through the long years to come as a monument to the great labors of Dr. Lehr, the founder of the University, is arousing an enthusiastic interest as attention is drawn to the real value and

worthiness of the enterprise. Nearly $20,000 have already been pledged, about one-fifth of the anticipated cost of the proposed structure.

It is gratifying to hear laudatory words for the enteprise from alumni and people of all faiths, who appreciate the broad non-sectarian spirit of the institution, and recognize the "open door" to knowledge and power the Ohio Northern University affords to those of meager funds but with soul athirst and heart courageous for struggle. Perhaps no institution in the land pays on the investment a greater per cent. in brains, push, power of initiative and power to achieve.

The growing necessities of the school call loudly for increased facilities in room and appliances. To whom may their Alma Mater rather look for help in her need than to the Alumni who realize her worth and power? It is earnestly hoped and confidently expected that every alumnus, whether capitalist or not, will contribute to the Lehr Memorial Fund. A prompt and liberal response will make it an easier matter to attract the attention of some larger philanthropic capitalist to the merits of Ohio Northern University.



THE PROPOSED H. S. LEHR MEMORIAL.

N. B.—For catalogues and other information, address the Corresponding Secretary, Prof. Charles B. Wright, Ada, O.

CALENDAR FOR 1909-1910

Term Periods

August 31, 1909. Tuesday—Fall term begins 8:00 A. M.
October 5, 1909. Tuesday—College of Pharmacy, First Semester (26 weeks) begins.
November 5, 1909. Friday—Fall Term ends.
November 9, 1909, Tuesday—Winter Term begins.
January 14, 1910. Friday—Winter Term ends.
January 18, 1910. Tuesday—Middle Term begins.
March 3, 1910. Tuesday—College of Pharmacy Second Semester (26 weeks) begins.
March 25, 1910. Friday—Middle Term ends.
March 29, 1910. Tuesday—Spring Term begins.
May 7, 1910. Saturday—Junior-Senior Day.
June 3, 1910. Friday—Spring Term ends.
June 7, 1910, Tuesday—Summer Term begins.
August 5, 1910. Friday—Summer Term ends.

SUMMER RECESS.

September 6, 1910. Tuesday—Fall Term of 1910-1911 begins 8:00 A. M.

Commencement Week

May 29, 1910. Sunday (10:00 A. M.).....Baccalaureate Sermon.
May 30, 1910. Monday .....Field Day Sports.
May 30, 1910. Monday, (8:00 P. M.) ...Lehr Oratorical Contest.
May 31, 1910. Tuesday. (9:00 A. M.) .....Meeting of the Board Trustees.
May 31, 1910. Tuesday. (8:00 P. M.) Oratorio by Choral Society.
June 1, 1910. Wednesday .....Athletic Sports.
June 1, 1910, Wednesday .....Society Reunions and Receptions, Alumni Banquet.
June 2, 1910, Thursday .....Military Contest.
June 2, 1910, Thursday, (8:00 P. M.) Graduation Entertainment of Colleges of Expression and Music.
June 3, 1910. Friday (9:00 A. M.)..Fortieth Annual Commencement.
June 3, 1910. Friday (8:00 P. M.).....Military Companies' Receptions.

BOARD OF TRUSTEES

Elected by the Conference

Term Expires		Residence.
1909.	Hon. E. S. Neeley	Alger
1909.	Rev. W. W. Lance, D. D.	Defiance
1909.	Mr. E. J. Carey	Kenton
1910.	Rev. E. D. Whitlock, D. D.	Fostoria
1910.	Mr. H. E. Dickinson	Mt. Victory
1910.	Rev. David Bowers, D. D.	Lima
1911.	Hon. S. A. Hoskins, A. M.	Wapakoneta
1911.	Rev. W. G. Waters, D. D.	Marysville
1911.	Mr. J. M. Sherman	Fremont
1912.	Hon. J. B. Pumphrey	Kenton
1912.	Rev. D. H. Bailey, D. D.	Marion
1912.	Mr. S. A. Bowman	Celina
1913.	Rev. Earl S. Keller	Wapakoneta
1913.	Rev. Frank E. Higbie	Cygnet
1913.	Hon. J. H. Clark	Marion

Elected by the Alumni

1910.	Mr. W. W. Poultney	Washington, D. C.
1911.	Hon. R. M. Wanamaker	Akron
1912.	Mr. N. W. Tobias	Ada
1913.	Hon. J. W. Zeller	Columbus
1914.	Hon. I. N. Kuhn	Waynesburg, Pa.

OFFICERS

S. A. Hoskins, President.

E. J. Carey, Secretary and Treasurer.

Emma O. Hufford, Auditor.

A. A. Thomas, A. B., Financial Agent.

COMMITTEES

Buildings and Grounds

E. J. Carey, Chairman.

E. D. Whitlock, D. Bowers, Earl S. Keller,
S. A. Bowman, J. H. Clark, N. W. Tobias,
I. N. Kuhn.

Cabinet and Library

D. H. Bailey, Chairman.

F. E. Higbie, J. B. Pumphrey, H. E. Dickinson,
J. M. Sherman, I. N. Kuhn N. W. Tobias.

Degrees

S. A. Hoskins, Chairman.

W. G. Waters, E. S. Neeley. F. E. Higbie.
W. W. Poultney, W. W. Lance, J. W. Zeller.

Executive

E. D. Whitlock, Chairman.

E. S. Neeley, J. B. Pumphrey, Earl S. Keller,
W. W. Poultney, A. E. Smith, ex officio.
R. M. Wannamaker.

Finance

E. S. Neeley, Chairman.

J. M. Sherman, H. E. Dickinson, W. W. Lance.
S. A. Bowman, E. J. Carey, R. M. Wannamaker.

Instruction

W. G. Waters, Chairman.

D. Bowers, J. H. Clark, S. A. Hoskins.
J. W. Zeller, A. E. Smith, ex officio, D. H. Bailey.

CONFERENCE VISITORS FOR 1908-9

E. O. Crist, Toledo E. L. Davis, De Graff

FACULTY AND OFFICERS

HENRY S. LEHR, A. M., PH. D.,
President Emeritus.

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

CHARLES B. WRIGHT, G. S.,
Corresponding Secretary.

EMMA O. HUFFORD,
Auditor and Registrar.

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(In order of appointment.)

JOHN G. PARK, A. M.,
English Grammar, Analysis.

FREDERICK MAGLOTT, A. M.,
History, Geography, Astronomy.

MRS. EVA MAGLOTT, A. M., C. E.,
Mathematics.

SAMUEL P. AXLINE, A. M., LL. D.,
Dean of Law School.
Law, Sociology.

RICHARD H. SCHOONOVER, A. M., B. D.,
Greek, Hebrew, Biblical History.

CHARLES B. WRIGHT, G. S.,
Dean of School of Commerce.
Stenography, Typewriting, Letter Writing.

FRANK B. WILLIS, A. M., LL. B.,
Civics, Economics, Law.

HENRY WHITWORTH, A. M.,
Latin and Philosophy.

WILLIAM GROTH, A. B.,
Modern Foreign Languages.

WILLIAM FRANKLIN HUFFORD, A. M., M. PED.,
Dean of Normal School.
Psychology, Pedagogy, Logic, Mathematics.

WALTER E. CRIM, M. C. S.,
Practical and Theoretical Business Department.

THOMAS J. SMULL, C. E., M. E.,
Dean of School of Engineering.
Civil Engineering.

D. CHRISTIAN MOHLER, PHARM. G., PHARM. L.,
Dean of School of Pharmacy.
Pharmacy.

LUCINDA B. DENNY, B. F. A.,
Drawing, Painting, Etc.

GROVER C. KREGLOW, B. S., A. B.,
Biology, Geology.

LENIX C. SLEESMAN, PHARM. G., PHARM. C.,
Organic Chemistry, Pharmacy.

CAPT. FREEBORN P. HOLCOMB, U. S. A.,
Commandant.
Military Science.

DRESSEL D. EWING, M. E., EL. E.,
Electrical Engineering.

JESSE BEER, B. SC.,
Chemistry and Physics.

MAY ALCOTT LANCE, MUS. B.,
Piano, Organ.

EMMETT E. LONG, B. C.,
Commercial Arithmetic, Penmanship.

WILLIAM H. RICHARDSON, A. M.,
Methodology and Paidology.
(Summer Term.)

MARY BLACK,
Model Primary School.
(Summer Term.)

FRANK L. BERGER,
Assistant in Chemistry and Physics.

AGNES WEST,
Librarian.

W. W. NEWCOMER, A. M.,
Dean of School of Expression.
Dramatic Art, Physical Training.

JENNIE BOWMAN,
Expression, Physical Training.

ALBERT A. CRECELIUS, B. LIT.,
Expression, Shakespeare, Dramatic Art.

REESE F. VEATCH,
General Secretary Y. M. C. A.

CHARLES SANKEY WENGERD,
Dean of School of Music.
Voice, Harmony, Oratorio and Opera.

CHARLES H. FREEMAN, B. Sc.,
Rhetoric and English Literature.

EDWARD GRUETZNER,
Assistant in Physiology.

H. C. COOLIDGE,
Custodian of Buildings.

FACULTY ORGANIZATION

Dr. A. E. Smith, Chairman.

Henry Whitworth, Secretary.

Emma O. Hufford, Registrar.

COMMITTEES

Athletics
Professors Smull, Kreglow, Mohler, Ewing, Sleesman.

Catalogue
Professors Whitworth, Wright and Dr. Smith.

Editing
Professors Wright, Whitworth, Miss Hufford.

Finance
Professor Wright, Miss Hufford and Dr. Smith.

Library
Professors Schoonover, Maglott and Willis.

Literary Societies
Professors Willis, Schoonover, Maglott.

Military
Professors Willis, Wright, Freeman.

Standing and Graduation
Professors Whitworth, Kreglow, Freeman.

Summer School
Professors Hufford, Wright, Willis, Maglott.

DUKES MEMORIAL
ADMINISTRATION BUILDING
BROWN AUDITORIUM
A. E. SMITH PRES.
H. S. LEHR MEMORIAL
H. S. LEHR, EX. PRES. & FOUNDER
OHIO NORTHERN UNIVERSITY
ADA, O.

THE OHIO NORTHERN UNIVERSITY.

Location

The Ohio Northern University is located at Ada, in Northwestern Ohio, on the Pennsylvania Railroad (Pittsburg, Fort Wayne & Chicago Branch). It is midway between the intersection of the Cincinnati, Hamilton & Dayton, the Detroit Southern, and the Lake Erie and Western Railways at Lima, and the Big Four at Forest. Connection is made with the Hocking Valley at Upper Sandusky, thirty miles east, and with the Ohio Central lines at Dunkirk, ten miles east.

Ada is an attractive little city lying on the great watershed separating the waters tributary to the Ohio and the Mississippi from those flowing into the Great Lakes. With an elevation above sea-level as high as any in the State, a healthful climate, sanitary conditions well guarded, and an abundant supply of excellent water from drilled wells, the town is unsurpassed in healthfulness and freedom from epidemics. The numerous forest trees lining avenues and adorning premises make it a delightful retreat during the warm summer months. The paved streets, hot and cold water plants, electric light works and constant building and renovation in residence and business blocks evidence the wide-awakeness of the citizens in the matter of public utilities and city improvements. Last season additional avenues were paved and this summer ordinances have been passed authorizing a large extension of the paved area to other streets. Exclusive of students, the population is about three thousand. The people are moral, free from aristocratic display and demeanor, large-hearted, and especially kind and courteous to students, taking pains to make their stay at the University pleasant and home-like. For several years the saloons have been banished from Ada, and a little less than a year ago the entire county voted "dry" under the Rose Local Option Law.

Historical Sketch

In the later "sixties," half a century ago, Henry S. Lehr, a young pedagogue from eastern Ohio, found his way westward into the village of Ada, at that time known as Johnstown. He obtained employment as a teacher in the Union Schools and

subsequently taught a series of terms of "select" school. His spirit, enthusiasm and helpfulness, together with a keen appreciation of the practical in subjects and methods, attracted many "foreign" students and would-be teachers to his school. The dream of founding a great normal school in which plainness, practicalness and inexpensiveness were to be the main characteristics, became a master passion directing his thought, shaping his plans, and, at last, taking definite and actual form. In the year 1870-71 the first building, a large three-story brick, was erected and on August 14, 1871, the Northwestern Ohio Normal School was formally opened "for the instruction and training of teachers in the science of education, the art of teaching and the best methods of governing schools."

In the fall of 1875 the Northwestern Normal School located at Fostoria, Ohio, was consolidated and incorporated with the Northwestern Ohio Normal School at Ada.

From the very start a limited number of special subjects were offered in the courses of instruction, but from time to time, as patronage demanded, departmental schools were organized as follows: Music, Commercial, Telegraphic, Fine Art, Stenography, Engineering, Military, Law, Pharmacy.

In 1885 the name was changed from Northwestern Ohio Normal School to Ohio Normal University, the plan and management remaining the same, and normal principles and methods marking the administration.

From its inception the school was under private management and control until, in September 1898, the owners sold to the Central Ohio Conference of the Methodist Episcopal Church the real estate and personal property belonging to the University; its founder hoping thus to place this increasingly popular institution on a solid foundation and to insure its permanency by "guaranteeing to it the support and co-operation of a progressive, wealthy and influential religious body."

Under the new administration, as fast as existing contracts permitted, came a change in the relations of the several departmental schools with the main school. These, heretofore semi-independent, were now reorganized under one management and control, and the respective deans placed on salary instead of commission. At the same time instruction in the main school was made departmental, with the head-teacher in each department director thereof.

In 1904-5 the institution was rechartered under the name of Ohio Northern University.

Object

The Ohio Northern University welcomes to her privileges the worthy of all classes, but extends a special invitation to self-dependent young men and women eager to secure the benefits of a liberal education. Her leading aim is to furnish thorough practical instruction in all the departments at a minimum expense to the student. The entire regime has in view the creation and maintenance of an atmosphere inspirational and congenial to plucky young people of both sexes whose lot in life has taught them the worth of hard labor and close economy.

Uniqueness

In many features the Ohio Northern University is unique. Attention is respectfully called to a few characteristics.

The school year consists of forty-nine weeks, divided into five terms. Each instructor teaches six classes a day, five days a week. Instead of measuring time and work by Freshman, Sophomore, Junior and Senior years of three terms each, credit is based on number of hours of class work done in each required or elected subject.

Students enter at any time (except in the College of Pharmacy), find their place where their certificates or examination credits rank them, pursue their studies so long as they wish, or their means allow, and are duly credited on the record-books with the work done. Subsequently, as suits their convenience, they resume the studies where left off, and on satisfactorily completing the required number of hours in the selected course, receive the appropriate degree.

Jeans and broadcloth have equal chance. The atmosphere is thoroughly democratic, a leading characteristic being the marked sociability of the students, a majority of whom are young people relying mainly on their own pluck and push.

With no endowment fund to lean on, their sole financial support the tuition-money, from which must be paid all expenses, the teachers feel that success and pay depend on energetic, earnest, systematic labor.

The motto is not "How little can be done in the longest time," but "How much can be well done in the shortest time."

Material Equipment

The University Campus lies in a residence portion of the city, a few blocks south of the Pennsylvania Station. Here "Old Glory" may be seen, the year round, waving from the summit of a hundred-foot steel staff a welcome to the chance visitor or prospective student. On this campus stands the old Normal Hall, endeared by many a cherished memory of the early struggling days of the school. Just north of Normal Hall towers the Administration building erected by the citizens of Ada and leased to the original proprietors of this school, but a few years ago deeded to the present ownership. Dukes Memorial, built in recent years, is located on the south side of the Campus and with its simple architectural grace catches the admiring eye of the passer-by. In the northeast angle of the Campus, Brown Auditorium with large seating capacity furnishes an assembly room for gatherings of all kinds from sermon-lectures to basketball. These buildings contain commodious rooms well lighted and ventilated and heated partly from hot-air furnaces, partly from the city hot-water plant. At night they are lighted with electricity. The class-rooms are furnished with necessary appliances for illustration, experimentation and thorough instruction.

The large Chemical and Physical Laboratories, are equipped with the latest conveniences and apparatus for individual instruction and investigation. In the General Chemical Laboratory are one hundred and twelve lockers provided with apparatus for general work, while the Physical Laboratory has ample accommodation for more than one hundred and fifty students.

The Biology Laboratories are equipped with a sufficient number of Compound Microscopes to enable each student to work by himself. A projection lantern and a projection microscope are used in the laboratory and lecture room for demonstrations and interpretations. Lockers for individual apparatus are provided free.

The Museum contains numerous specimens and collections for illustrating geology and biological sciences. In the geological alcove are found all the common minerals and ores, many rare ones, meteorites, plant and animal fossils representing the chief orders of geological importance, and shells and skeletons of many living molluscs and vertebrates. The zoological alcove

exhibits about 200 birds representing one or both sexes of nearly all of those common to this region, all animals natives to Ohio, many kinds of snakes, and several hundred specimens of the orders of invertebrates preserved in jars. The department is making a complete collection of the insects of this region. For illustration in anatomy a human skeleton and structural models of various organs are at hand. The arranging of a herbarium representing native flora is well under way. All persons interested in the cause of education are kindly invited to make donations of specimens—geological, mineralogical, zoological, botanical, historical, Indian relics, any kind whatever—to the University. Specimens labeled with the name of the donor will be placed on exhibition.

The Pharmaceutical and Dispensing Laboratories are supplied with ample apparatus and desk arrangement: the equipment affording every facility for thorough, practical, individual work.

Four Society and Departmental Libraries supply abundant reading matter, literary and periodical, and the University Reference Library is open each day of the week for the convenience of students.

Within four squares of the Campus lie the Athletic Grounds, owned and controlled by the University, on whose area of eight acres the Base Ball Diamond, the Foot Ball Gridiron, the Lawn Tennis Courts and the Military Parade and Contest Field are located.

The U. S. A. Government supplies a military equipment which, for the last two years, has been under the management of Capt. Freeborn P. Holcomb, U. S. A.

Curricula

Over twenty different curricula leading to diploma or degree are offered by the University, covering all the subjects of study usually prescribed in the curricula of colleges and special schools. A two-year Elementary Biblical Course is offered to prospective religious teachers and preachers.

Degrees

The University is empowered to grant the customary scholastic degrees, but aims to bestow them on the deserving only. Such honors are not for sale, but must be earned and merited.

The management accepts grades of equal value from other institutions of learning, yet the applicant for a degree is required to do a reasonable portion of his work here. No diploma is granted on grades made wholly in other institutions.

Those carrying a B. Sc., B. Lit., or A. B. diploma from the Ohio Northern University may obtain the Master's diploma, provided they have been engaged for three years since graduation in literary or professional work, or have done one year in post-graduate work in the course from which they have taken the Bachelor's degree. The fee for the Master's diploma is $5. Other honorary degrees are granted only on the special recommendation of the Committee on Degrees of the Board of Trustees.

Literary and Debating Societies

Three flourishing Literary Societies, chartered, and meeting in well-furnished assembly-rooms, are maintained by the students exclusively—the Franklin, Philomathean and Adelphian. In addition to the advantages afforded in public speaking, these organizations have been the conservators of enthusiastic energy, genuine social enjoyment and loyal devotion to the school. Everywhere the Alumni speak in proud terms of the "old society," and tell of the inspiration and help that have come from the associations and friendships formed in these societies.

Under the supervision of the Societies numerous clubs are organized each term for practice in debate and extempore speaking.

Oratorical and Debating League

The men's debating clubs are organized into a general Oratorical and Debating League which meets in the seventh week of each term. At this meeting representatives from several clubs enter into friendly contests in oratory and debate. The league is expected to send an Orator to the Ohio Intercollegiate Oratorical Association Contest held in the third week in February. The Association at present is composed of Hiram, Buchtel, Mt. Union, Denison, Wittenberg, Muskingum and Ohio Northern.

Prizes

Through the good will of Dr. H. S. Lehr, of Ada, a prize of $25 is awarded to the winner in the annual Oratorical Contest between the three Literary Societies. This contest is one of the attractive features of Commencement week.

Hon. I. N. Kuhn, of Waynesburg, Pa., has provided for two annual prizes of $15 and $10 to be given to the successful contestants in Franklin Literary Contest.

Dr. A. E. Smith, the president, in each summer term, offers a prize of $10 to the winner in the Spelling Contest open to all students.

Government

The opportunities and advantages of the University are offered to all sincerely desiring to develop the best in themselves, and aiming at a broad culture and a thorough preparation for useful service. Hence self-government is made the key-note in discipline. All are treated as ladies and gentlemen until they prove themselves otherwise. Incorrigible and morally corrupt persons are summarily dismissed from the institution. Every possible help is afforded in the formation of right habits, but those who cannot govern themselves are not wanted. This institution does not pose as a "reform school."

Regular attendance upon class work, prompt response to duty, and thoroughness in all assigned tasks are insisted on, not more for their bearing on scholarship than for their effect upon conduct and life.

Student Senate

In order to encourage self-government among students, there exists in the University an organization known as the Student Senate. Its function and extent of jurisdiction may be learned from the following sections of its constitution:

ART. I., Sec. 2. The object shall be: (1) To maintain and promote the highest ideals of college life. (2) To promote honesty in examinations, to promote good conduct within the University, in the town, and wherever bad habits or misbehavior would bring discredit to the high honor of the school. (3) To maintain and strengthen the fellowship between the Faculty and Student Body.

Sec. 3. The motto of this Senate shall be Honesty, Justice and Helpfulness.

ART. II., Sec. 1. The members of this body shall be elected as follows: One from each of the following departments, Liberal Arts, Engineering, Commercial, Music, Pharmacy, Military, Law, Expression, and one from each literary society.

ART. VI., Sec. 1. All actions of the Senate shall be final except when vetoed by the President of the University in the presence of the Faculty; but before so acting a committee from the Senate shall be present.

ART. VII., Sec. 1. The Senate shall consider and take action on all matters brought before the Senate by the President of the University, or by any member or members of this body.

Sec. 2. The Senate shall have power to summons any student to appear before it and to make all inquiries and investigations that are thought necessary.

Sec. 3. The Senate may require any member of the Faculty to attend any meeting as a witness or as an adviser, and his attendance shall be held a duty when requested in writing.

Sec. 4. The Senate shall have power to discipline, suspend or dismiss any student, subject to the restrictions stated in Article VI.

Moral and Religious Culture

Mere intellectual and physical training apart from moral and religious culture results in deformity of character. Much attention, therefore, is given to awakening and fostering an inspiration to attain to the highest type of Christian manhood and womanhood.

Chapel exercises are held each school day from 8:00 to 8:30 a. m. The aim of which is, not only to recognize the duty and privilege of daily devotions, but to foster a university spirit by bringing together into one assembly the students of the several Colleges to listen to practical addresses and talks from members of the faculty and others, and to be entertained by those connected with the Colleges of Music and Expression.

While the University is the property of the Central Ohio Conference of the Methodist Episcopal Church and is denominational in its ownership and control, it is in no sense sectarian. Students of all religious denominations are received on equal

terms and treated with equal consideration. They are urged to identify themselves with the work, and participate regularly in the services, of the church of their choice. The seven churches of the city cordially invite students to their religious and social meetings, and heartily welcome them to veritable church homes.

Y. M. C. A. and Y. W. C. A

The Young Men's and Young Women's Christian Associations have enthusiastic organizations in the University and wield a most wholesome influence on the lives and habits of the students.

Every young man entering the University should make it a point to become a member of the Young Men's Christian Association, for this organization occupies a very prominent place in the University life. It is affiliated with the World's Christian Federation and is under the direction of the State and International Committees. The local Association employs a General Secretary who gives his whole time to the work and is at the service of every man wishing friendly and confidential talks over problems affecting the life of a college man.

The privileges of membership include the use of the exercise and bath rooms as well as a voice in shaping the policy of the organization.

The Young Women's Christian Association has a strong organization in the University, with a membership including about ninety per cent. of the young women in attendance at the school.

A devotional meeting open to all the University women is held weekly. At the beginning of each term Bible and Mission Study classes are organized under efficient teachers.

The Association is supporting a child in an orphanage in India, and also contributes to the maintenance of a General Y. W. C. A. Secretary in India.

A parlor and rest room for the young women, with office and toilet room attached, has been fitted out in the Administration building.

Both Y. M. C. A. and Y. W. C. A. bible study classes and religious meetings are open to all men and women enrolled in the University. By a recent decision of the University Faculty bible study work is credited as elective in the College of Liberal Arts and is under the supervision of a member of the faculty.

Aid to Students

The Board of Education of the Methodist Episcopal Church lends money to members of that church taking a regular course in school, who have been in attendance long enough to merit a recommendation from the Faculty. No interest is charged if the debt is paid within five years from the time of leaving school, but a payment of $5.00 each year must be paid on the principal. No security is required other than a recommendation from a quarterly conference. Loans are made at the beginning of each term. Application should be made two weeks before the opening of the term, and no applicant can be received later than the close of the first week of the term. The maximum amount that can be allowed to each applicant is $50 a year. Many of the best students avail themselves of this advantage.

For further information, address Prof. R. H. Schoonover, Ada, Ohio, who has charge of the distribution of the fund here.

Many students in the University make their entire expenses by working as waiters, janitors, and at other occupations in the town and vicinity, and, at the same time, carry full work in their studies.

Rooms, Boarding and Home Comforts

The University has no dormitory, owns no boarding-house, nor feeds its impecunious students in the basements of its buildings. The matter of rooming and boarding students is left to the large number of families engaged in this business for a livlihood. The competition is sharp, and good, substantial living is offered at remarkably low cost.

Good board in private families costs from $1.65 to $2.50 a week.

Furnished rooms, two in a room, 50 cents to 75 cents each a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boarding reduces these expenses somewhat.

The town is lighted with electricity; coal is the chief fuel, and many houses are heated by hot-air furnaces or with hot water from the city heating plant.

The comfort and convenience of the student is looked after by a kind people; when sick he is well cared for.

For cost of tuition, see "Expense" under the various schools and colleges. Needful expenses are reduced to a minimum.

What to Do on Arrival

Persons intending to enter the University and desiring to arrange beforehand in regard to course of study, board and room, will address the President or Corresponding Secretary.

On arrival the newcomer is met by students ready to welcome and assist in securing a lodging place and boarding house. He is expected, however, to report at once at the University Office in the Administration Building, obtain a card of matriculation and arrange his work. After matriculation, on payment of the tuition fee, he is given with the receipt a "classification card" which, when presented to the instructor in charge of any class, admits him to that class.

Monday is Registration Day for new students, Tuesday for former students.

All students, former and new, will report to their instructors on Tuesday and be ready for Wednesday's recitations and lectures.

Reports to Parents and Guardians

Should any parent or guardian desire to acquaint himself with his son's or ward's standing in the work of any term, a report may be had by addressing a request to the president. Such reports will be made out and sent only on request and at the close of a term's work.

AT CLASS CALL
ADMINISTRATION BLDG.
PHARMACY BUILDING
DUKES' MEMORIAL
N. E. CORNER
OLD NORMAL
THE EAST CAMPUS AFTER CHAPEL

COLLEGE OF LIBERAL ARTS

ENGLISH COURSE

SCIENTIFIC COURSE

LITERATURE COURSE

CLASSICAL COURSE

BIBLICAL COURSE

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

FREDERICK MAGLOTT, A. M.,
History, Geography, Astronomy.

MRS. EVA MAGLOTT, A. M.,
Mathematics.

SAMUEL P. AXLINE, A. M., LL. D.,
Sociology, Constitutional History of England.

RICHARD H. SCHOONOVER, A. M., B. D.,
Greek, Hebrew, Biblical History.

FRANK B. WILLIS, A. M.,
Civics, Economics, History.

HENRY WHITWORTH, A. M.,
Latin, Philosophy.

WILLIAM GROTH, A. B.,
German, French, Spanish.

WILLIAM F. HUFFORD, A. M., M. PED.,
Psychology, Logic, Mathematics.

GROVER C. KREGLOW, B. S., A. B.,
Biology, Geology.

CHARLES H. FREEMAN, B. SC.,
Rhetoric, English Literature.

JESSE BEER, B. SC.,
Physics and Chemistry.

FRANK L. BERGER,
Assistant in Physics and Chemistry.

EDWARD GRUETZNER,
Assistant in Physiology.

EMMA O. HUFFORD,
Auditor and Registrar.

COURSES AND DEGREES

I. The CLASSICAL, a three-year course leading to the degree of A. B., in which the ancient classics are emphasized.

II. The SCIENTIFIC, a three-year course leading to the degree of B. Sc., with emphasis laid on the natural sciences.

III. The LITERATURE, a three-year course leading to the degree of B. Lit., in which special attention is given to literature, history and philosophy.

IV. The ENGLISH, a two-year course leading to the degree of B. Eng., with emphasis laid on mathematics, history and the English language and literature.

Requirements for Admission

Applicants for admission to the College of Liberal Arts who do not desire to take a full regular course may, at any time, enter any department and pursue the studies they choose, if, on consultation, the head of the department is satisfied that they have sufficient preparation to pursue the work successfully. Such applicants are classified as "Special Students." Should they later desire to graduate, they may do so, on condition of passing all the requirements, including the preparatory work.

Students registering as candidates for the Bachelor degrees are required to complete the required preparatory work, if their certificates from other schools show that this work has not been finished. The preparatory work may be taken here.

A unit of admission-credit is based on the work done in a good High School in one year. This means five recitation periods a week for thirty-six weeks, two laboratory periods being reckoned as the equivalent of one recitation period. A half-unit is the work done in a half-year. Less than this amount, counts for its actual value.

Twelve such units are required of candidates for the English Course and fifteen for the Literature, Scientific, or Classical Course.

Credits in the starred subjects in each of the groups mentioned below are required of every candidate. From the subjects not starred he selects the additional units required for admission. If he selects subjects from the Foreign Language Group, he must present at least two units in any language se-

lected, and if he expects to take collegiate Latin, he must present at least four units of Latin.

Applicants having high school or preparatory credits additional to the admission requirements for any course may receive collegiate credit for not more than three such additional units.

Credits in the entrance subjects are accepted from standard High Schools, Academies or Preparatory Schools.

Preparatory Subjects

English Group. *Composition and Rhetoric, 1½ units; *English Literature (Elementary), ½ unit; *English Literature (advanced) ½ unit; *American Literature, ½ unit; Orthography, ½ unit.

Mathematics Group. *Algebra (to quadratics), 1 unit; *Algebra (through quadratics), ½ unit; *Geometry (Plane), 1 unit; Geometry (Solid), ½ unit; Book-keeping, ½ unit.

Science Group. *Physics, 1 unit; *Physical Geography, ½ unit; *Botany, ½ unit; Physiology, 1 unit; Chemistry, 1 unit; Astronomy, ½ unit; Geology, ½ unit; Zoology, ½ unit.

History Group. *United States History, 1 unit; *General History, 1 unit; English History, ½ unit; Grecian or Roman History, ½ unit; *Civil Government, ½ unit.

Foreign Language Group. *Latin, Beginning, 1 unit; *Caesar, 4 books, with prose composition, 1 unit; Cicero, 6 orations, with prose composition. 1 unit; Virgil, 6 books, 1 unit.

Greek, Beginning, 1 unit; Anabasis, 4 books, 1 unit.

German, Beginning, 1 unit; Advanced (grammar and literature) 1 unit.

French, Beginning, 1 unit; Advanced (grammar and literature) 1 unit.

(Applicants for admission to the English Course are not required to present Latin units.)

Scope of Preparatory Requirements

ENGLISH.

Orthography. A thorough acquaintance with the elements of orthography and word analysis as presented in any of the recent text-books on analytical orthography.

Grammar. An acquaintance with the principles of grammar and an "ability to state them intelligently and to explain the syntactical structure of any sentence encountered in reading."

Composition. Ability to write good English with clearness and mechanical accuracy. This ability can be acquired only by abundant practice in description, narration, argumentation and exposition, under criticism by the teacher and with revision by the pupil.

Rhetoric. Formal instruction in the principles of rhetoric most likely to be of service in the practice of writing. The equivalent of Herrick and Damon's, Hart's, Scott and Denny's, or Lockwood and Emerson's elementary composition and rhetoric.

English Classics. (A) A thorough study resulting in the knowledge of the subject-matter, form and structure of Shakespeare's Julius Caesar; Milton's L'Allegro, Il Penseroso, Comus and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essay on Milton and Life of Johnson.

In 1910, 1911: Shakespeare's MacBeth; Milton's Lycidas, Comus, L'Allegro, Il Penseroso; Burke's Speech on Conciliation with America; or

Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

(B) For general reading and composition work ten books selected from the following groups: Group 1, (two to be selected), Shakespeare's As You Like It, Julius Caesar, Merchant of Venice, Twelfth Night, Henry the Fifth; Group 2, (one to be selected), Bunyan's Pilgrim's Progress, part I; Bacon's Essays, The Sir Roger de Coverley Papers in the Spectator, Franklin's Autobiography; Group 3, (one to be selected), Chaucer's Prologue, selections from Spenser's Faerie Queene, Pope's Rape of the Lock, Goldsmith's Deserted Village, Palgrave's Golden Treasury, first series, books ii and iii, with especial attention to Dryden, Collins, Gray, Cowper and Burns; Group 4, (two to be selected), Hawthorne's House of Seven Gables, Thackeray's Henry Esmond, George Eliot's Silas Marner, Dickens' A Tale of Two Cities, Scott's Ivanhoe, Quentin Durward, Goldsmith's Vicar of Wakefield, Mrs Gaskell's Cranford, Blackmore's Lorna Doone; Group 5, (two to be selected), Emerson's Essays (selected), Ruskin's Sesame and Lilies, Irving's Sketch Book, Carlyle's Heroes and Hero Worship, DeQuincey's Joan of Arc and the English Mail Coach, Lamb's Essays of Elia; Group 6, (two to be selected), Palgrave's Golden Treasury, first series, book iv., with especial attention to Wordsworth, Keats and Shelley; Coleridge's Ancient Mariner, Lowell's Vision of Sir Launfal, Scott's Lady of the Lake, Poe's Poems, Tennyson's Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur, Arnold's Sohrab and Rustum, Byron's Mazeppa, The Prisoner of Chillon, Macaulay's Lays of Ancient Rome, and Browning's Cavalier Tunes, Lost Leader, How They Brought the Good News, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Herve Riel, Pheidippides.

MATHEMATICS.

Algebra. The equivalent of Milne's or Wentworth's High School Algebra or Taylor's Elements.

Geometry. Wentworth's Plane and Solid Geometry, or an equivalent.

Bookkeeping. A practical acquaintance with the theory of keeping accounts, so far as covered in the usual high school course in one-half year

SCIENCE.

Physics. An amount equivalent to what is compassed in Carhart and Chute's, or Gage's, high school physics, supplemented with work in the physical laboratory to the extent of one-class period a week throughout the year.

Physical Geography. At least one of the more recent text-books, supplemented with observational work in connection with field excursions.

Botany. A study of germination, growth, and reproduction of flowering plants including plant structure, physiology and classification. This includes field and laboratory work.

Physiology. As much as is contained in Martin's Human Body (briefer course).

Chemistry. The equivalent of Remsen's Introduction to Chemistry, including individual laboratory work.

Geology. The equivalent of Le Conte's Geology (high school text), supplemented with field and observational work.

Zoology. The equivalent of Needham's Elementary Lessons in Zoology, studied by the laboratory method.

Astronomy. The equivalent of Young's Elements of Astronomy.

HISTORY.

American History. The equivalent of Hart's or Fiske's United States History.

General History. The equivalent of Myer's or Sheldon's General History.

English History. The equivalent of Montgomery's History of England or Gardiner's Students' History of England.

Grecian History. The equivalent of Myers' History of Greece.

Roman History. The equivalent of Leighton's or Myers' History of Rome.

Civil Government. The equivalent of Fiske's Civil Government or Andrew's Manual of the Constitution.

FOREIGN LANGUAGE GROUP.

Latin. In elementary Latin the equivalent of Collar and Daniell's First Year in Latin, in amount and character. A thorough acquaintance with inflections and the general principles of syntax is required. Readings: four books of Caesar, six orations of Cicero and six books of Virgil. In connection with Caesar and Cicero, systematic work in prose composition is an essential part of the requirement.

Greek. An equivalent of White's First Greek Book for the elementary work. Readings: four books of Xenophon's Anabasis.

German. The applicant is expected to be able to pronounce correctly, to have an accurate knowledge of the elements of the grammar, to be able to translate easy prose from English into German and from German into English, to have read at least 300 pages of simple German, and to have sufficient facility in speaking German to take part in conversation on topics drawn from the works read.

French. The applicant is expected to be able to pronounce French inteligibly and with some fluency, to have a grasp of the elements of grammar, to understand French when spoken in simple phrases and about familiar subjects, to be able to translate easy prose from French into English and from English into French, to have read at least 300 pages of easy prose.

Preparatory Work May be Taken Here.

For the accommodation of students desiring to take preparatory work at Ada, classes will be organized for instruction in preparatory subjects, as follows:

PRESCRIBED.

English—Rhetoric I., Rhetoric II., Eng. Lit. I. (or Eng. Lit. II.), Am. Lit., Adv. Lit. I.

Mathematics—El. Algebra I., El. Algebra II., Geometry I.

Science—Physics I., Physics II., Physics III., Phys. Geog., Botany I.

History—U. S. History I., U. S. Hist. II., General Hist. I., Gen. Hist. II., Civil Gov't.

Foreign Language (not required of candidates for the English Course)—Latin I., Latin II., Caesar I. and prose composition, Caesar II. and prose comp., Caesar III.

ELECTIVE.

In addition to the studies prescribed above, two units from the following subjects must be presented by the candidate for the English Course, and three by the candidate for the Literary, Scientific, or Classical Course.

English—Orthography, ½ unit; Adv. Lit. II., ½ unit.

Mathematics—Geometry II., ½ unit; Trig. I., ½ unit; Bookkeeping, ½ unit.

Science—El. Physiology I., ½ unit; El. Physiology II., ½ unit.

History—Roman Hist., ½ unit; Grecian Hist., ½ unit; Eng. Hist., ½ unit; Commercial Geog., ½ unit.

Latin—Cicero I. and prose composition, ⅓ unit; Cicero II. and prose comp. ⅓ unit; Cicero III., ⅓ unit; Virgil I., ⅓ unit; Virgil II., ⅓ unit; Virgil III., ⅓ unit.

Greek—Greek I., ⅓ unit; Greek II., ⅓ unit; Greek III., ⅓ unit; Anabasis I, ⅓ unit; Anabasis II., ⅓ unit; Anabasis III., ⅓ unit.

German—German I., ⅓ unit; German II., ⅓ unit; German III., ⅓ unit.

French—French I., ⅓ unit; French II., ⅓ unit; French III., ⅓ unit.

Spanish—Spanish I., ⅓ unit; Spanish II., ⅓ unit; Spanish III., ⅓ unit.

Collegiate Courses.

Instruction is given in courses. A course in which the class meets the instructor for sixty minutes once a week throughout a term (10 weeks) is a One-Hour course. A Five-Hour course means five class-exercises a week throughout the term. A Ten-Hour course means five class-exercises a week throughout two terms. Three Five-Hour courses successfully pursued for one term would entitle the student to fifteen hours' credit; for one year (five terms), to seventy-five hours credit.

CLASSICAL.

Prescribed 165 hours: English Group, 30 hours; Mathematics, 10; Science, 25; History, 20; Philosophy, 25; Foreign Language, 55.

Elective, 60 hours: Not more than 20, additional to the prescribed, to be selected in any one group. Total hours required for degree, 225.

	FIRST YEAR	SECOND YEAR	THIRD YEAR
FIRST TERM	Rhetoric III. Latin Greek	Chemistry I. Old Tes. Hist. For. Language	Psychology Elective Elective
SECOND TERM	Logic Latin Greek	Chemistry II. His. Mid. Ages Eng. Lit. III.	Philosophy I. Elective Elective
THIRD TERM	Rhetoric IV. Latin For. Language	General Zoology Hist. Mod. Peop. Poetics	Philosophy II. Elective Elective
FOURTH TERM	Algebra III. For. Language For. Language	Geology I. Hist. Civilization Shakespeare I.	Elective Elective Elective
FIFTH TERM	Algebra IV. For. Language For. Language	Geology II. Polit. Economy I. Lit. Criticism	Elective Elective Elective

SCIENTIFIC.

Prescribed 150 hours. English Group, 30 hours; Mathematics 10; Science, 55; History, 30; Philosophy, 25.

Electives, 75 hours. Not more than 25, additional to the prescribed, to be selected in any one group. Total hours required for degree, 225.

	FIRST YEAR	SECOND YEAR	THIRD YEAR
FIRST TERM	Rhetoric III. Chemistry I. Old Test. Hist.	Gen. Biology Pol. Econ. I. Hist. Civil.	Botany III. Psychology Elective
SECOND TERM	Logic Chemistry II. Hist. Mid. Ages	Zoology I. Pol. Econ. II. Elective	Geology I. Elective Elective

THIRD TERM	Rhetoric IV. Adv. Literature II. Hist. Mod. Peop.	Zoology II. Sociology Elective	Geology II. Elective Elective
FOURTH TERM	Algebra III. English Lit. III. Eng. History	Zoology III. Astronomy Elective	Elective Elective Elective
FIFTH TERM	Algebra IV. Shakespeare I. Adv. U. S. Hist.	Botany II. Lit. Criticism Elective	Elective Elective Elective

LITERATURE.

Prescribed, 155 hours. English Group, 50 hours; Mathematics, 10; Science 20; History, 30; Philosophy, 30; Foreign Language, 15.

Elective, 70 hours. Not more than 25, additional to the prescribed, to be selected in any one group. Total hours required for degree, 225.

	FIRST YEAR	SECOND YEAR	THIRD YEAR
FIRST TERM	Rhetoric Chemistry I. For. Language	19th Cen. Lit. History of Rome Pol. Econ. I.	Psychology Elective Elective
SECOND TERM	Logic Chemistry II. For. Language	Elective Hist. Mid. Ages Pol. Econ. II.	Philosophy I. Elective Elective
THIRD TERM	Rhetoric IV. Adv. Lit. II. For. Languages	Elective Hist. Mod. Peop. Gen. Zoology	Philosophy II. Elective Elective
FOURTH TERM	Algebra III. English Lit. III. Hist. E. Nations.	Shakespeare I. Hist. Civilization Elective	Elective Elective Elective
FIFTH TERM	Algebra IV. Poetics Hist. Greece	Literary Criticism. Botany II. Elective	Elective Elective Elective

ENGLISH.

Prescribed. 120 hours. English Group, 35 hours; Mathematics, 10; Science. 20; History, 35; Philosophy, 20.

Elective. 30 hours. Not more than 20, additional to the prescribed to be selected in any one group. Total hours required for degree, 150.

	FIRST YEAR	SECOND YEAR
FIRST TERM	Rhetoric III. Old Test. History Chemistry I.	Psychology Political Economy I. Elective
SECOND TERM	Logic History Middle Ages Chemistry II.	New Test. History Elective Elective
THIRD TERM	Rhetoric IV. Hist. Modern Peoples Advanced Lit. II.	General Zoology Sociology Elective
FOURTH TERM	Algebra III. English History English Lit. III.	History Civilization Shakespeare I. Elective
FIFTH TERM	Algebra IV. Adv. U. S. History Poetics	Botany II. Literary Criticism Elective

PARTIAL SCHEDULE OF ELECTIVES.

(No classes in any subject without at least five students.)

ENGLISH	Advanced Literature III., Shakespeare II., Shakespeare III., Rhetoric V., each 5 hours; Oratory, 10 hours.
MATHEMATICS	Algebra V., Trigonometry II., Analytics I, Analytics II., Calculus I, Calculus II., Calculus III., each 5 hours.
SCIENCE	Physics IV., Physics V., Physics VI., Chemistry III., Chemistry IV., Botany III., Botany IV, Entomology, Ornithology, Histology Technique, each 5 hours.
HISTORY	New Testament History, Constitutional History of England, History of Commerce, Mythology, Ancient Geography, Adv. U. S. History, History of Christianity, History of Ancient Civilization, each 5 hours.
PHILOSOPHY	Sociology, Philosophy I., Philosophy II., Evidences of Christianity, each 5 hours.
LAW	Commercial Paper, Contracts, Constitutional Law, Evidence, Domestic Relations, Equity, each 5 hours.
COMMERCIAL SCIENCE	Theory of Bookkeeping, 5 hours; Commercial Law, Stenography (with Typewriting), each 10 hours.
FOREIGN LANGUAGES	Latin, Greek, Hebrew, German, French, Spanish.
THEOLOGY	Systematic Theology, 15 hours; Introduction to the Scriptures, 5 hours.
MUSIC	Harmony, 15 hours; History of Music, 10 hours; Theory of Music, 5 hours.
ORATORY	Advanced Expression, Public Speaking, Criticism and Interpretation, Bible Study and Vocal Interpretation, Shakespeare, Dramatic Interpretation, each 5 hours; Oratory, 10 hours.

Biblical Course

The Christian Ministry is calling to the young manhood of today to enter its sacred offices. The best equipment and the one to be obtained, if possible, is a full classical and theological training. The call, however, comes to many in straightened circumstances and of limited means, who cannot see their way clear to get what they want or need. For the benefit of such, the University offers a Biblical Course of two years, embodying varied and thorough work in the subjects most needed.

The course is designed to relieve the young preacher from the burden of Annual Conference examination, since the grades given here will be accepted by the Annual Conference. Furthermore, the work done here will enable the student to take advanced standing, if he decides to enter a theological school.

Those pursuing other courses in the College of Liberal Arts may without extra charge select from this course any studies they wish and receive credit therefor as substitutes for electives. Those making this their special course are charged the regular tuition-fee of the College of Liberal Arts.

Classes in the studies of the Biblical Course are formed only when called for and with no fewer than five students. The preparatory work in the College of Liberal Arts is a prerequisite.

For further information, address the President, or Prof. R. H. Schoonover, Ada, Ohio.

First Year

FIRST TERM.

Introductory Greek, Elements of Hebrew, Old Testament History, Geography of Palestine.

SECOND TERM.

Introductory Greek, Elements of Hebrew, New Testament History, English Bible.

THIRD TERM.

Introductory Greek, Elements of Hebrew, Outlines of Universal History, English Bible.

FOURTH TERM.

Greek, (one of the Gospels), Hebrew (Judges), Systematic Theology, English Bible.

FIFTH TERM.

Greek (Acts of the Apostles), Introduction to the Scriptures, Systematic Theology, Homiletics.

Second Year.

FIRST TERM.

Greek (Epistle to the Romans) Introduction to the Scriptures, systematic Theology, Homiletics.

SECOND TERM.

Greek (Epistle to the Hebrews), Systematic Theology, Church History, English Bible.

THIRD TERM.

Hebrew (Psalms), Butler's Analogy, Church History, English Bible.

FOURTH TERM.

Hebrew (Prophetic Writings), Church History, Hermeneutics, English Bible.

FIFTH TERM.

Church History, Archaeology, Homiletics, English Bible.

DESCRIPTION OF COURSES

Biblical Literature and Christian Religion

PROFESSOR SCHOONOVER.

1. **English Bible.** Inductive study of portions of the Old Testament.

2. English Bible. Inductive study of portions of the New Testament.

3. Old Testament History. A survey of the rise and growth of the Hebrew people, the organization of the Israelitish kingdom, the progress, decay and downfall of the kingdom, the exilic period, the restoration and intervening events prior to the advent of Christ.

4. New Testament History. The birth, life and work of Christ, the works and words of apostolic times to the close of the period covered by the New Testament canon.

5. Introduction to the Scriptures. A survey of the origin, authorship, composition, dates, authenticity, translations and modern constructive criticism of the books of the Bible. This course is required of those pursuing the Elementary Biblical Course, elective to others.

6—11. Hebrew. (6-8), Elementary Courses, followed by readings of the text, (9) Judges, (10) Psalms, (11) Prophetic writings.

12—15. New Testament Greek. A critical reading of selections, with a view to noting the special characteristics of this Greek, from (12) one of the Gospels, (13) Acts of the Apostles, (14) Epistle to the Romans, (15) Epistle to the Hebrews.

16. Evidences of Christianity. A study of the grounds of Christian belief and an inquiry into the great essentials of the Christian faith, both in its biblical and philosophical aspects.

17. History of Christianity. A survey of the origin, growth, spread and influence of Christianity on the nations of the world.

Biological Sciences

PROFESSOR KREGLOW.

1. General Biology. A study of the fundamental properties of protoplasm and functions and microscopic structure of all the animal tissues, including cell-division and reproduction. The embryological development of the frog is followed from the egg to the adult and a complete dissection of the frog is required of each student. Some attention is given to the historical development of Biology and theories of Organic Evolution.

2. General Zoology. A brief survey of the animal world designed to acquaint the student with the principles of Zoological Classification and with typical representatives of each class. The following forms are dissected: Sponge, earthworm, starfish,

mussel, crayfish, locust, fish and frog. Protozoa receive due attention. A comparative study is made of many other forms in field, laboratory and museum. Each student is required to make a special study of the habits and structure of some animal not in the preceding list and present a summary of his observations at the end of the term. This course, or its equivalent, is prerequisite to historical geology, and is prescribed for all students except candidates for the B. Sc. degree, for whom the next three couses are prescribed.

3. **Zoology I.** A study of protozoa, porifera, coelenterata and worms. Typical representatives of each class (sixteen in all) are studied in the laboratory.

4. **Zoology II.** A study of echinoderma, mollusca and arthropoda. Each student is required to dissect sixteen forms and to make a comparative study of additional ones.

5. **Zoology III.** A study of chordata. The laboratory work includes a careful study of amphioxus, a tunicate, balanglossus, elasmobranch and teleost fishes, amphibian, reptile and bird.

6. **Botany I.** (Phanerogamic) A study of the germination, growth and reproduction of flowering plants, including plant structure physiology and classification. The subject matter of this course is similar to the work of the best high schools that are well equipped and do a large amount of laboratory work. This course, or its equivalent, is required for college entrance.

7. **Botany II.** (Cryptogamic) An introduction to the non-flowering plants, embracing general structure, life history and relationship of the great groups, and including a study of such subjects as Alternation of Generations, Heterospory and Origin of Plant Structures.

8. **Botany III.** (Ecology) Field work in the woods, in green-houses and along streams for the study of plant associations and reactions. The native plants are identified, and the student is required to prepare a thesis upon some phase of the work. The field work is supplemented with assigned reading and an illustrated lecture once each week.

9. **Botany IV.** A study of Elementary Plant Physiology.

10. **Histology Technique.** A study of methods of preparing material for microscopic study. The student acquires the art of making permanent preparations of plant and animal tissues and structures—killing, fixing, embedding, sectioning, staining and

mounting—and methods of demonstration with the microscope. High School teachers may make for themselves all the preparations needed for their work. This course is given in the summer term of each year.

11. **Physiology.** A course in Human Physiology for teachers and for students preparing for examinations. Students may enter the class at any time. The laboratory work covers the Harvard Entrance Requirements, and much of it can be adapted to schools where the teacher and pupils furnish all of the apparatus and materials. Many demonstrations are given by the instructor which are too difficult for the student to do alone. Students are assigned desk outfits, two at each table, for the purpose of assisting each other in manipulation and observation. Laboratory work two days each week.

12. **Ornithology and Entomology** courses will be arranged when a sufficient number of students apply for them at the proper season. The work in these subjects covers the general morphology, physiology, reproduction and life-history, and the principles of classification. In the latter half of each course the economic relations receive special emphasis.

Note. All laboratory periods are two hours each. A laboratory fee of one dollar is charged in all courses, which covers use of compound microscope and accessories, reagents, glassware, desk equipment and all materials which cannot be collected in this vicinity by the student. There is no museum or library fee.

English

PROFESSOR FREEMAN.

1. **Rhetoric I.** Grammar in its relation to rhetoric, punctuating, enlarging the vocabulary, choosing subjects, note-taking, amplifying, condensing and summarizing.

2. **Rhetoric II.** Diction, sentence and paragraph structure and figures of speech.

3. **Rhetoric III.** Principles and qualities of style, and critical study of description, narration, exposition, argumentation and persuasion.

4. **Rhetoric IV.** See under Philosophy.

In the study of literature, the department aims at the following results: (1) To fix in the mind of the student the many facts

concerning the life and character of our great writers; (2) to give the names and general characteristics of their greatest works; (3) to inspire a real love for the great masterpieces; (4) to formulate a science of literature and explain its fundamental principles; (5) to develop a critical taste; (6) to give an abundance of seminar work in both class room and library

FIRST GRADE. (PREPARATORY)

5. **English Literature I.** (Moody and Lovett) Classics read: Wiclif's Bible, Mandeville's Travels, Milton's Minor Poems, Coleridge's Ancient Mariner, Goldsmith's Deserted Village, Scott's Lady of the Lake, Tennyson's Idylls of the King, Dryden's Selected Poems, Pope's Essay on Criticism.

6. **English Literature II.** Addison, Sir Roger de Coverley, Macaulay's Essay on Addison, Macaulay's Life of Johnson, Burke's Speech on Conciliation, Scott's Ivanhoe, George Eliot's Silas Marner, Shakespeare's Merchant of Venice, Milton's Samson Agonistes, Emerson's American Scholar, Lowell's Vision of Sir Launfal, Carlyle's Essay on Burns.

7. **American Literature.** (Pattee) Irving's Sketch Book, Hawthorne's Twice Told Tales and selected poems of Bryant, Longfellow, Whittier, Poe, Lowell, Holmes, Whitman and others.

3. **Advanced Literature I.** Addison's Cato, Crabbe's The Village, Bacon's Essays, Goldsmith's The Traveller, Swift's Gulliver's Travels, selected poems from Cowper and Gray, Chaucer's Prologue, Dryden's Palamon and Arcite, Pope's Essay on Man.

SECOND GRADE. (COLLEGIATE)

9. **English Literature III.** (Welsh).

10. **Poetics.** (Gummere).

11. **Advanced Literature II.** Moore's Lalla Rookh, Hawthorne's House of Seven Gables, Carlyle's Hero as Prophet, Lamb's Essays, Milton's Paradise Lost, Chaucer's Knightes Tale, Spencer's Faerie Queene, Macaulay's Essay on Milton, Marlowe's Jew of Malta, Browning's Selected Poems, Tennyson's In Memoriam.

THIRD GRADE. (COLLEGIATE)

12. **Nineteenth Century Literature.** (Saintsbury) Dickens' Christmas Carol, Wordsworth's Excursion, Tennyson's The Princess, Arnold's Sohrab and Rustum, De Quincey's Revolt of the Tartars, Byron's Selected Poems.

13. Shakespeare I. (Hudson) As you like It, Twelfth Night, Julius Caesar, Cymbeline, Macbeth, Hamlet.

14. Shakespeare II. Midsummer Night's Dream. The Winter's Tale, Henry VIII., King John, Richard III., Othello.

15. Shakespeare III. Much Ado About Nothing. The Tempest, Romeo and Juliet, Henry V., Coriolanus, King Lear.

16. Literary Criticism (Winchester).

17. Prose Fiction. (Perry, Matthews, Simonds).

Geological Science

PROFESSOR KREGLOW.

1. Physical Geography. A study of earth forms and processes and the geography of plants and animals. The work is based upon Salisbury's Physiography, (briefer course) and due attention is given to laboratory and field work. This course or its full equivalent is required of all students for College Entrance.

2. Mineralogy. A study of the appearance, structure and composition of the important rocks and minerals, and the methods of determination by physical characters and simple wet methods. Prerequisites: Physics, and Chemistry.

3. Blowpipe Analysis. (Qualitative) A determinative study of the metallic oxides alkali metals and earths, and acid elements, followed by reactions of the important ores. The important fluxes and both wet and dry methods are used.

4. Dynamical Geology. A study of the forces past and present which have brought the earth to its present condition. Prerequisites: Physical Geography; Chemistry and Physics.

5. Structural Geology. A study of the earth's crust, dealing with rock form and structure, and the formation of mineral deposits and mountains. This course is a continuation of course 4.

6. Historical Geology. The history of the earth and the Organic Kingdom is developed from the beginning. The student makes a systematic study of the fossils in the University Museum. Prerequisites: Botany I., and General Zoology, or equivalents.

Greek

PROFESSOR SCHOONOVER.

I. PREPARATORY COURSES.

The First Greek Book (White)..... .....3 terms
Xenophon, Anabasis (Goodwin)..... .....3 terms

II. ADVANCED COURSES.

1.	Epic Poetry	Homer, Iliad (Owen)	2 terms
		Odyssey (Owen)	1 term
2.	Lyric Poetry	Greek Lyric Poets (Tyler)	1 term
		Pindar, Olympian and Pythian Odes (Gildersleeve)	1 term
3.	Drama	Aeschylus, Prometheus Bound (Prickard)	1 term
		Sophocles, Antigone (D'Ooge	1 term
		Euripides, Medea (Allen)	1 term
4.	History	Herodotus, Books VI. and VIII. (Merriam)	1 term
		Thucydides, Book I. (Morris) and III. (Smith) or Books VI. and VII. (Lamberton)	1 term
		Xenophon, Hellenca (Manatt)	1 term
5.	Philosophy	Plato, Apology and Crito (Wagner)	1 term
		Phaedo (Wagner)	1 term
		Xenophon Memoriabilia (Marshall)	1 term
6.	Oratory	Demosthenes, De Corona (Abbot & Matheson)	1 term
		Lysias, Ten Orations (Wait)	1 term
		Isocrates, Panegyricus (Sandys)	1 term
7.	Sacred Greek	New Testament, one of the Gospels (Westcott and Hort)	1 term
		Eusebius, Ecclesiastical History	1 term

Any approved author or book may be substituted in the advanced courses. The courses may be elected entire or in part. When a class desires to read but one or two authors of any course, the remainder of the work in that course will be studied from a literary standpoint in collateral reading and by the use of outlines, lectures, topical research, etc. Each author is studied in his relation to the general outline of Greek Literature, in which work Jebb's Primer of Greek Literature is made the basis.

Classes will be formed in beginning Greek at the opening of the First Fall Term, the Winter Term, and the Summer Term, or at any time that a sufficient number desire, though students are requested to choose those points for beginning as far as possible.

History

PROFESSOR MAGLOTT.

1. **General History.** A general survey of the rise, growth, political disturbances, foreign invasions, expansion, decadence and influence of the nations of historic times which have had a marked bearing on the world's civilization. This course is prerequisite to the remaining courses and its aim is to enable the student to gain a well-defined general idea and a perspective view of Universal History.

2. **History of the Eastern Nations.** A more detail study of the ancient monarchies of the East.

3. **History of Greece.** An intensive study of the Grecian peoples and civilization.

4. **History of Rome.** An intensive study of Rome's political history, conquests and civilization.

5. **History of the Middle Ages.** A more specialized course in the history of Europe from the Fall of Rome to the Saracen Invasion.

6. **Modern History.** Modern states of Europe and their colonizations from the Downfall of Constantinople.

7. **History of Commerce.** Elective.

8. **History of Civilization.**

PROFESSOR AXLINE.

9. **Constitutional History of England.** A study of the growth of English institutions.

PROFESSOR WILLIS.

10. **Advanced United States History.**

Latin

PROFESSOR WHITWORTH.

It is the aim of this department to utilize as fully as possible the efficiency of Latin as an instrument of education and a means of culture. The student's effort is directed, not only to a mastery of the structure and mechanism of the language, and to a faithful rendering into idiomatic English, but also to an appreciation of Roman writings as exhibiting the genius of the age in which they were written, and to a proper estimate of Rome's place and part in the realm of literature. Attention is given to the history of the people, the biographies of their great men, their manners and customs, home life, religion and worship.

Courses are as follows:

PRECOLLEGIATE.

1. First lessons based on Collar and Daniell's "First Year in Latin." Five hours a week. Two terms. Roman pronunciation. Beginner's classes are formed each term.

2. Caesar's Gallic War, four books, and prose composition. Five hours a week. Three terms. Emphasis is laid on prose composition as a means of acquiring a working knowledge of Latin syntax. Walker's or any quantity-marked text, is used. Pearson's Prose Composition will be used in 1909-10.

3. Cicero and prose composition; six orations, including the four against Catiline and the Manilian Law. Five hours a week. Three terms. Allen and Greenough, or any quantity-marked text, is used. Pearson's Prose Composition.

4. Virgil's Aeneid, six books. Prosody, especially dactylic verse. Five hours a week. Three terms. Knapp's Virgil will be the text used in 1909-10.

COLLEGIATE.

The collegiate courses are to be selected with the advice and approval of the head of the department. Necessary class-adjustments partly determine the order in which these courses are pursued.

5. Cicero's De Senectute and De Amicitia.

6. Ovid—Selections from the Metamorphoses.

7. Livy—Book I., or selections from Books XXI. and XXII.

8. Horace—Selections from the Odes and Epodes. Latin versification.

9. Terence and Plautus—selected plays from each.

10. Tacitus—Agricola and Germania.

11. Catullus, Tibullus and Propertius—Selections.

12. Pliny—Selected letters.

13. Cicero—De Officiis or De Oratore.

14. Quintilian—Institutes, Book X.

15. Juvenal or Persius—Satires.

16. Lucretius—De Rerum Natura.

17. Cicero—De Natura Deorum or Tusculan Disputations.

18. Seneca's tragedies, Hercules and Medea.

19. Advanced Prose Composition.

PROFESSOR MAGLOTT.

20. Grecian and Roman Mythology.

Mathematics and Astronomy

Great importance is attached to the study of Mathematics, both as a means of general education and as a necessary basis for instruction in the various branches of engineering, of physics and other courses.

The courses in mathematics are designed to meet the needs of students desiring to teach mathematics in high schools or colleges; to do graduate work in the best universities; to pursue engineering or other technical courses.

1. **Algebra III.** Special stress is laid on factoring, radical quantities, fractional exponents, the solution of simple equations of one, two or more unknown quantities and the quadratic of one unknown. —Professor Hufford.

2. **Algebra IV.** The large part of this course is a study of the quadratic equation, followed by the surds, the imaginaries, the binomial theorem and arithmetical, geometrical and harmonic series. —Professor Frederick Maglott.

3. **Algebra V.** An exposition of the theory of logarithms; permutations, combinations, choice and chance; determinants; theory of equations. Elective in Liberal Arts curricula.
—Professor Eva Maglott.

4. **Geometry I.** Plane. Principles and definitions, demonstrations and theorems. Special stress is laid on original exercises and numerical problems. —Professor Hufford.

5. **Geometry II.** Demonstrations of theorems in solid geometry; original problems. Professor Hufford.

6. **Trigonometry I.** Plane. This course includes the theory of the trigonometric functions and their application to the solution of right and oblique triangles; the use of tables; the solution of a large number of practical problems.
—Ppofessor Eva Maglott.

7. **Trigonometry II.** This course is designed for those who expect to make mathematics their major study and for the students in engineering. It gives attention to the solution of trigonometric identities, the solution of trigonometric equations and the theory and solutions of spherical triangles.
—Professor Eva Maglott.

8. **Analytical Geometry I.** The properties of the straight line, the graph of an equation, the discussion of the circle and the parabola. —PROFESSOR EVA MAGLOTT.

9. **Analytical Geometry II.** The ellipse, the hyperbola, the general discussion of the conic and the higher plane curves and solid analytical geometry. —PROFESSOR EVA MAGLOTT.

10. **Calculus I.** Differential calculus. Differentiation of functions; applications of the derivatives; maxima and minima of functions. Elective in the Liberal Arts curricula.
—PROFESSOR EVA MAGLOTT.

11. **Calculus II.** Curve tracing; infinite series; integration of easy forms. —PROFESSOR EVA MAGLOTT.

12. **Calculus III.** Integral calculus. Indefinite integration, the application of integral calculus to the solution of practical problems. Elective in the Liberal Arts curricula.
—PROFESSOR EVA MAGLOTT.

13. **Astronomy.** The work is based on Young's Manual of Astronomy. In addition to the study of the text, the student is required to name and locate the important constellations and stars seen in this latitude. As prerequisite to this study, the student should have a knowledge of the elementary principles of chemistry and physics. He is required to have a knowledge of mathematics including trigonometry.
—PROFESSOR FREDERICK MAGLOTT.

14. **Differential Equations.** Ordinary and partial and differential equations. Open to all students who have passed in Calculus III. —PROFESSOR EVA MAGLOTT.

15. **Theory of Probabilty and Method of Least Squares.** This course consists partly of lectures and partly of recitations, in which the fundamental principles that govern the method of adjustment of observations and numerous problems are solved, illustrating the process of adjustment, of computing the most probable values of the quantities, of determining the precision of computed results, and of the use of the empirical equations.
—PROFESSOR EVA MAGLOTT.

Modern Languages

PROFESSOR GROTH.

German I. Pronunciation, elements of grammar, easy reading, practice in speaking and writing German.

German II. Continuation of Course I.

German III. Drill on Grammar, memorizing of colloquial sentences, readings, translations and colloquial praxis.

German IV. Continuation of Course III.

German V. Reading and translation of masterpieces of representative German authors study of syntax, prose composition.

German VI. Study of German classics, prose composition, conversational praxis.

German VII. Continued study of classics, lectures on German Literature, conversational praxis.

French I. Pronunciation, Grammar, reading, composition and oral exercises.

French II. Continuation of Course I.

French III. Reading, grammar, oral exercises.

French IV. Continuation of Course III.

French V. Reading and translation of French masterpieces, studies in syntax, conversational praxis.

French VI. Study of French classics, conversational praxis.

French VII. Continuation of Course VI.

Spanish I. Grammar, easy reading, practice in speaking.

Spanish II. Continuation of Course I.

Spanish III. Reading and translation of modern prose conversational praxis.

Spanish IV. Continuation of Course III.

Spanish V. Reading and translation of Spanish classics, conversational praxis.

Spanish VI. Continuation of Course V.

Spanish VII. Continuation of Course VI.

Italian. Elementary Italian, especially for students in the School of Music. Pronunciation, translation, and reading.

Physics and Chemistry

PROFESSOR BEER.

1. Physics I. Class work and individual laboratory work in motion, force, energy, machine, properties of matter and dynamics of fluids. Four hours a week the first half of the term and six hours a week the last half are spent in individual laboratory work by each student.

2. Physics II. Lectures and recitations on sound, heat and light. Each student spends fifty hours in individual laboratory work on these subjects.

2. Physics III. Lectures, recitations and demonstrations in magnetism and electricity. Fifty hours in experimental demonstrations, measurements and testing are required of each student.

PROFESSOR EWING.

4. Physics IV. (University Physics—Mechanics) Kinematics, kinetics, elasticity, mechanics of fluids, lectures, class exercises and laboratory work. Text: Carhart's University Physics. Prerequisites: Physics I., II., and III. and Calculus I.

5. Physics V. (University Physics—Sound, Heat and Light) Nature and motion of sound, theory of music, nature and propagation of light, refraction, reflection, dispersion and polarization, nature of heat, temperature, expansion, fusion, kinetic theory of gases. Text: Carhart's University Physics. Prerequisites: Same as in Physics 4.

6. Physics VI. (University Physics—Magnetism and Electricity) Electrical charges, potential capacity, electrolysis, Ohm's law. Electrodynamics, electromagnetism, electro-magnetic induction, electric oscillations. Lectures, class exercises and laboratory work. In the Engineering courses, this is given under caption, "Elements of Electrical Engineering" and "Electrical Measurements." Text: Carhart's University Physics. Prerequisites: The same as in Physics IV.

PROFESSOR BEER.

7. Chemistry I. This is a course in the non-metallic elements and their inorganic compounds. The class work consists of lectures, recitations and demonstrations. In individual laboratory work, each student thoroughly investigates every subject.

8. Chemistry II. In this course the metallic elements, their compounds and chemical philosophy are theoretically and prac-

tically taught by lectures, recitations, demonstrations and much individual laboratory work by the student.

PROFESSOR SLEESMAN.

9. Chemistry III. A thorough study of the carbon compounds, the structure of these compounds, and their constituents. Two days each week are spent in laboratory experimentation.

10. Chemistry IV. This work consists of volumetric and gravimetric analysis; the determination of acidity and alkalinity; the analysis of organic and inorganic salts, sugar, syrups, candies, baking powders, milk, urine, etc. A large amount of work is done which the new food and drug act demands.

11. Chemistry V. The special chemistry course includes three terms of work after the completion of the regular pharmacy course. This includes the chemistry of the pharmaceutical drugs and their preparation; the analysis of ores, clays, cements, cole and coke, soil, limestone and many other compounds.

Philosophy

1. Logic. Elements from the textbook. Practical training in detecting the more common fallacies and in illustrating the condition of proof and laws of evidence.—PROFESSOR HUFFORD.

2. Psychology. A survey of the mental processes in their relation to physical processes and conditions and a discussion of phases of mental phenomena. —PROFESSOR HUFFORD.

3. Science of Rhetoric. The application of logic and psychology to discourse, and an analysis of the various modes of approach to the mind, in instruction, conversation and persuasion. —PROFESSOR FREEMAN.

4. Aesthetics. The science of beauty and analysis of taste. Form, relation, and expression as sources of the beautiful. —PROFESSOR WHITWORTH.

5. Ethics. The nature of the moral agent, the good, right, duty, motive and reward. A discussion of the various schools and theories of merit and demerit. The ethics of the individual, the family, the society and the state.—PROFESSOR WHITWORTH.

6. Philosophy I. (Epistemology) The subjective phases of the problems of philosophy, advanced logic and psychology, together with the origin, nature and validity of ideas. This is intended to pave the way for the study of pure metaphysics. —PROFESSOR WHITWORTH.

7. **Philosophy II.** (Metaphysics) The objective phase of philosophy, including ontology, cosmology and advanced epistemology. A thorough discussion of the categories and the nature of being, mind, matter, force, causation and purpose.

—Professor Whitworth.

Social Sciences

Professor Willis.

1. **Civics.** A general study of the American system of government in its local, state and federal organs and their relation to each other. Supplemental lectures on the methods of political action.

2. **Economics I.** A general survey of the field of political economy.

3. **Economics II.** An intensive study of special phases of the subject.

4. **Advanced United States History.**

Professor Axline.

4. **Sociology.** A general introductory survey of the great departments of social life.

Examinations

Mid-term examinations are held at the discretion of each professor. Final examinations are held on Wednesday and Thursday of the last week of each term, except in the Spring Term, when they fall on Monday and Tuesday of the tenth week. Hours: 7:00 and 9:00 a. m., 1:00 and 3:00 p. m. Classes having recited at the "odd" hours are examined the first day: those having recited at "even" hours, the second day.

EXPENSES

Matriculation

No matriculation, or entrance fee, is required to enter the University. Some schools advertise free tuition, but it will be found that entrance fees with them amount to more than tuition fees here, a fact not to be overlooked by those selecting a school thorough, yet inexpensive.

Tuition Fee

For one term (10 weeks), in advance.... ..... $ 10.00
For two terms, in advance 19.00
For three terms, in advance 28.00
For four terms, in advance 37.00
For five terms, in advance 45.00

All students paying the regular tuition fee are admitted to the general classes in Rudimental Music without extra charge.

Laboratory Fees

Fees to cover breakage and cost of chemicals and other materials used in the laboratories are charged each term as follows: Chemistry, $4.00. Physics, $2.00. Biology, Botany and Zoology, each, $1.00.

Graduation Fees

Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study. In the English course the diploma fee is $3.00; in the Scientific, Literature and Classical courses, $5.00. Those preferring real parchment will be charged one dollar extra. Candidates for any degree are required to pay full tuition in graduation term.

Rooms and Boarding

Good board in private families, $1.65 to $2.50 a week.

Furnished room, two in a room, 50 cents to 75 cents each a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boarding reduces these expenses somewhat.

Term Plan

Thirty-four dollars paid in advance pays tuition, board and furnished room for ten weeks. The Term Plan may begin at any time.

Refunding

In case of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. Where the student is called from school on account of necessary business, a due bill for the unexpired time is issued to him by the Auditor, or the money refunded at the student's option. At any future time he may enter the University by presenting his due-bill to the Auditor and receiving therefore a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

Any one taking the Term Plan may at any time change to the ordinary rates, by paying full rates for the time in attendance. The balance of his board will be refunded; but room-rent is not refunded until the room is re-rented.

A SNAPSHOT OF OHIO NORTHERN AFTER CHAPEL

NORMAL SCHOOL

COMMON SCHOOL COURSE

TEACHERS' COURSE

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

WILLIAM FRANKLIN HUFFORD, A. M., M. PED.,
Dean.
Psychology, Pedagogics, History of Education.

JOHN G. PARK, A. M.,
English Grammar, Analysis.

FREDERICK MAGLOTT, A. M.,
History, Geography, Astronomy.

MRS. EVA MAGLOTT, A. M.,
Mathematics.

FRANK B. WILLIS, A. M., LL. B.,
Civics, Economics.

JESSE BEER, B. SC.,
Chemistry and Physics.

HENRY WHITWORTH, A. M.,
Latin.

CHARLES SANKEY WENGERD,
Public School Music.

WALTER E. CRIM, M. C. S.,
Bookkeeping.

CHARLES H. FREEMAN, B. SC.,
English and American Literature.

LUCINDA B. DENNY, B. F. A.,
Drawing.

GROVER C. KREGLOW, B. S., A. B.,
Biological Sciences, Geology.

EMMETT E. LONG, B. C.,
Penmanship.

WILLIAM H. RICHARDSON, A. M.,
Methodology and Paidology.
(Summer Term.)

MARY BLACK,
Model Primary School.
(Summer Term.)

THE NORMAL SCHOOL

The pre-eminent function of a Normal School is to fit prospective teachers for their specific work. This department of the University aims—

1. To furnish a thorough, practical, fundamental knowledge of the branches studied, whether for common, graded or high schools.

2. To beget correct habits of investigation and of self-culture.

3. To aid in forming clear and exalted conceptions of the dignity and importance of the teachers' work.

4. To give an insight into the science of history of education in general and into modern theories of education and schemes of instruction.

5. To present in theory, and by example, rational methods of teaching the branches prescribed.

6. To teach the philosophy of mind culture.

7. To help to an understanding of child life in its various conditions.

8. To create a high-toned professional sentiment among teachers.

In order to succeed in the critically important work of elementary teaching, one nowadays must know a vast deal more than the "three R's." Other things being equal, the more extensive the scholastic training, the more successful the teaching. Indeed, thorough acquaintance with pedagogy itself, apart from a broad culture in the several great groups of human knowledge, does not qualify a teacher for his work.

No longer, however, is it the opinion of the thoughtful that "any one can teach provided he knows his subject." Knowing and ability to tell what one knows, though essential, are far from being the supreme qualifications of a good teacher. A solid foundation of scholarship and culture is a prerequisite, and upon this must be built a structure of professional knowledge. Hence the need of special professional training.

Possibly it is true that the best teacher is born, not made. But the sympathetic impulses—the motherly heart—although a SINE QUA NON in the teacher, must be guided by adequate knowledge of the activities, moods and states, interests, order of growth and manifestations, processes of development, physical condi-

tions, the mental pabulum suitable, the time-limit of interest and activity,—in short, the child nature and needs in all its various stages, before one is ready to enter upon the profession of teaching. Then if the teaching instinct and a magnetic personality are present, success is assured.

The Ohio Northern University through its Normal School professes to give abundant opportunity to would-be teachers for broadening their attainments and extending their professional outlook. All the privileges and advantages attaching to a large school are proffered to those enrolled in the Normal School. To share in the prevailing enthusiasm alone will send the teacher back to his work keen, fresh and determined to win.

COMMON SCHOOL COURSE

This course is offered to students moderately well acquainted with the simple branches of the common school, but not sufficiently advanced to enter immediately upon a higher course. The instruction is in charge of experienced and skillful teachers, and pains is taken to have the student lay in these branches a careful foundation for future work in the various academic and collegiate courses. Students pursuing this course may take studies for which they are prepared from any course in the College of Liberal Arts, without extra charge.

A certificate is issued to those having completed the course here, the fee for which is one dollar.

Mathematics. Practical Arithmetic, Mental Arithmetic, each five hours a week.

English. Reading, Spelling, Composition, Orthography. Grammar, Sentence Analysis, English and American Literature each five hours a week.

Science. Elementary Physiology; five hours a week.

History. United States History, Civics, Descriptive Geography, each five hours a week.

Art. Penmanship five hours a week.

The same work arranged according to terms is as follows:

FIRST TERM.
Practical Arithmetic, Grammar, Reading, Spelling, Penmanship.

SECOND TERM.
Mental Arithmetic, Orthography, Descriptive Geography, Analysis.

THIRD TERM.
Rhetoric I., Physiology, American History I., Civil Government.

FOURTH TERM.
American History II., English Literature I., American Literature.

TEACHERS' COURSE

Prerequisite

The studies of the Common School Course are prerequisite to the studies of the Teachers' Course, and Satisfactory evidence that this work has been completed must be presented by those registering in the Teachers' Course.

The Course

In the Teachers' Course, leading to the degree of Bachelor of Pedagogy, are found all the branches generally taught in Public Schools, and one who thoroughly masters the studies prescribed is academically equipped to take charge of graded school work. His personality must do the rest.

The end constantly in view is the training of teachers; hence the leading features in this course are the "training classes," in which hundreds annually seek help and inspiration. The work in these classes consists of familiar lectures, quizzes and discussions on the Art of Teaching, School-room Methods, The Recitation, School Management, School Law, and the like. The instruction is not confined to mere book work; in addition, the teachers of this department bring to their classes the results of long experience in the profession, and give thorough, practical instruction in the art of teaching.

First Year

FIRST TERM

Algebra I., Rhetoric II., Rudiments of Music, Latin I.

SECOND TERM

Algebra II., Rhetoric III., Freehand Drawing, Latin II.

THIRD TERM

Geometry I., Adv. Literature, General History I., Caesar I.

FOURTH TERM.

Geometry II., Shakespeare, General History II., Caesar II.

FIFTH TERM

Algebra III., Physical Geography, Adv. Arithmetic, Elective.

Second Year

FIRST TERM

Algebra IV., Physics I., Physiology I., Elective.

SECOND TERM

Training and School Management, Physics II., Physiology II , Elective.

THIRD TERM

Pedagogy, Physics III., Elective, Elective.

FOURTH TERM

History of Education and School Law, Botany I, Elective, Elective.

FIFTH TERM

Psychology, Elective, Elective, Elective.

ELECTIVES.

(No classes formed with less than five students.)

In the foregoing schedule there are 150 credit-hours of prescribed work and 50 credit-hours of electives. The electives may be chosen from the following list:

English: Rhetoric IV., Shakespeare II., Adv. Literature II, Poetics, Literary Criticism.

Mathematics: Trigonometry I., Trigonometry II., Bookkeeping.

Science: Chemistry, I., Chemistry II., Botany II., Nature Study, General Zoology, Astronomy.

History: Adv. American History, English History Grecian History, Roman History, Constitutional History of England, History Middle Ages, History Modern Peoples, Commercial Geography.

Latin: Caesar III., Cicero I., II., III., Virgil I., II., III.

Modern Foreign Languages: 8 terms.

THE SUMMER SCHOOL

The attention of teachers is called to the advantages offered in the Summer Term of nine weeks which begins June 7, 1910. This term will have at least one hundred and twenty class exercises a day, five days each week. The class periods are sixty minutes in length. Classes will be formed to accommodate public school teachers of whatever grade in all lines of work. Special attention will be given to the Common Branches both in acquisition of knowledge and in methods of teaching. There also will be classes in Penmanship, Freehand Drawing, Vocal Music, Natural Sciences, Literature, Mathematics, Languages, and so on. Courses will be offered in Training, Pedagogy, School Management, School Economics, Educational Biography, and History of Education.

The Summer Term affords an excellent opportunity for review work, and any one desiring to take up new or advanced studies will find classes to suit, since all the departments of the University will be in regular session.

Special advantages are offered to persons preparing to teach the Natural Sciences in public high schools. The departments

of Physics, Chemistry and Natural Science have adequate laboratory equipments and courses are offered especially adapted to the needs of prospective science-teachers.

Numerous calls come for qualified teachers of Latin and German. The University offers excellent facilities for the pursuit of these studies. The head of the Latin department has had an experience of twenty-four years as a public school man, and knows the requirements of public school work. The teacher of German brings to the class-room large experience in teaching his mother tongue.

EMPLOYMENT BUREAU

The University so far as able assists its graduates to lucrative positions. Last year one-half the calls for teachers could not be supplied. Offers from $40 a month for rural and grade teachers to $125 a month for Principals and Superintendents are received.

In order to bring information of openings to the students of this school, an Employment Bureau has been organized under the direction of Professors Hufford, Willis and Maglott. Get your name on their register.

EXPENSES

Matriculation

No matriculation, or entrance fee is required to enter the Normal School. Some schools advertise free tuition, but usually entrance fees with them amount to more than tuition fees here, a fact not to be overlooked by those selecting a school thorough, yet inexpensive.

Tuition Fee

For one term(10 weeks), strictly in advance	$10.00
For two terms in advance	19.00
For three terms in advance	28.00
For four terms in advance	37.00
For five terms in advance	45.00
For less than a term, per week	1.25

All students paying the regular tuition-fee are admitted to the general class, in Rudiments of Music without extra charge.

Graduation Fee

Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study. In the Teacher's Course the diploma fee is $3. Those preferring real parchment are charged one dollar extra. Candidates for any degree are required to pay full tuition in graduation term.

Room and Board

Good board in private families costs $1.65 to $2.50 a week.
Furnished room, two in a room, 50 cents to 75 cents a week.
Light and fuel, 5 cents to 30 cents a week.
Laundry, 15 cents to 25 cents a week.
Self-boarding reduces these expenses somewhat.

Term Plan

Thirty-four dollars in advance pays for tuition, board and furnished room for ten weeks. The term plan may begin at any time.

Refunding

In case of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. When the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor, or the money refunded at the student's option. At any future time he may reenter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

Any one taking the Term Plan may at any time change to the ordinary rates, by paying full rates for the time in attendance. The balance of his board will be refunded; but room rent is not refunded until the room is re-rented.

TEACHERS' POST-GRADUATE COURSES

Post-graduate Courses in pedagogical subjects will not be offered in 1909-10.

Hereafter the degree of Master of Pedagogy will be conferred on those only who are eminently successful in the profession of teaching, and have given to the Committee on Standing and Graduation satisfactory evidence of an extensive reading and study in pedagogical subjects. This degree is attainable by graduates of this school only.

Text-Book List

In response to an extensive demand, as shown in the correspondence coming to the office, here follows a list of text-books used in the Normal School and in the College of Liberal Arts. These texts are subject to change at any time.

Æsthetics.....
Algebra, Academic ..... *Milne*
Algebra, Advanced Course..... *Wells*
Analogy of Religion..... *Butler*
Analysis of Sentences..... *Park*
Archæology .....
Arithmetic, Commercial..... *Loomis & Ditmore*
Arithmetic, Practical ..... *Ray*
Arithmetic, Mental ....
Arithmetic, Advanced .....
Astronomy, Manual of.... *Young*
Biology, General... *Hertwig-Kingsley*
Bookkeeping..... *Twentieth Century*
Botany..... *Bergen & Davis*
Botany Manual..... *Bergen & Davis*
Cæsar ..... *Walker*
Calculus ..... *Granville*
Chemistry, I & II ..... *Smith*
Chemistry (Manual) ..... *Gregg*
Chemistry III ..... *Bartley*
Chemistry IV..... *Munter*
Cicero Orations) ..... *Allen & G*
Civil Government..... *Andrews*
Educational Reformers..... *Quick*
Ethics .....
Evidences of Christianity..... *Fisher*
French Course..... *Chardenal*
Geography, Ancient..... *Mitchell*
Geography, Commercial..... *Adams*
Geography, Descriptive..... *Maggott*
Geography, Land of Israel *Stewart*
Geography, Physical..... *Salisbury*
Geology, College.... ..... *Scott*
Geometry, Plane and Solid .....
..... *Wentworth*
Geometry, Analytical.. *Smith & Gale*
German, Introductory .....
..... *Kayser & Monteser*
Grammar, English..... *Park*
Grammar, French..... *Francois*
Grammar, German.. *Joynes-Meisner*
Grammar, Greek ..... *Goodwin*
Grammar, Latin..... *Bennett*
Greek, First Book..... *White*
Hebrew, Elements..... *Harper*
Hermeneutics..... *Terry*
History, American..... *Hart*
History, Ancient Civilization....
..... *Verschoyle*
History Christianity (Classical C.)
..... *Sohm*
History, Christianity (Biblical C.)....
..... *Hurst*
History, Civilization ..... *Guizot*
History, Commerce..... *Day*
History, Education ..... *Seeley*
History, England..... *Montgomery*
History, England (Constitutional)
..... *Dale*
History, General ..... *Myers*
History, Greece..... *Myers*
History, Middle Ages ..... *Myers*
History, Modern Age..... *Myers*
History, New Testament ... *Maclear*
History, Old Testament .... *Maclear*
History, Rome..... *Myers*
Homiletics. .....
Latin, First Year in..... .....
..... *Collar & Daniell*
Law, Commercial..... *Hill*
Law, International.....
Law, Parliamentary ..... *Roberts*
Literary Criticism..... *Winchester*
Literature, American.....
Literature, English I .....
Literature, English III..... *Welsh*
Literature, Nineteenth Century..
..... *Saintsbury*
Logic..... .....
Mineralogy and Blowpiping.....
..... *Moses and Parsons*
Myths, Classic..... *Gayley*
Orthography ..... *Schoonover*
Pedagogy..... *White*
Philosophy I .....
Philosophy II .....
Physics, Academic ..... *Gage*
Physics, Manual..... *Gregg*
Physics, University ..... *Carhart*
Physiology, Elementary..... *Eddy*
Physiology, Lab. Manual..... *Eddy*
Physiology, College. .....
Poetics ..... *Gummere*
Political Economy..... *Seligman*
Prose Composition, Latin... *Pearson*
Psychology..... *James*
Reading.... ..... *Kidd*
Rhetoric I..... *Herrick & Damon*
Rhetoric II.... ..... *Hart*
Rhetoric III ..... *Genung*
Rhetoric IV ..... *Hill*
Shakespeare..... *Hudson*
Sociology..... *Wright*
Spanish Method .. .. *Detornos*
Spelling .....
Systematic Theology..... *Miley*
Trigonometry..... *Murray*
Virgil..... *Knapp*
Zoology..... *Hertwig-Kingsley*
Zoology, General.... *Lenville & Kelly*

ENGINEERS AT WORK.

COLLEGE OF ENGINEERING

CIVIL

MECHANICAL

MUNICIPAL AND SANITARY

ARCHITECTURE

ELECTRICAL

MINING

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.
President

THOS. J. SMULL, M. E., C. E.
Dean.
Civil Engineering.

D. D. EWING, M. E., EL. E.
Electrical Engineering.

. . . . . .
Mechanical Engineering.

MRS. EVA MAGLOTT, A. M., C. E.,
Mathematics.

WILLIAM FRANK HUFFORD, A. M.
GEOMETRY.

FREDERICK MAGLOTT, A. M.,
Astronomy.

LUCINDA DENNY, B. F. A.,
Freehand and Perspective Drawing.

SAMUEL P. AXLINE, A. M., LL. D.
Contracts.

FRANK B. WILLIS, A. M., LL. B.
Economics.

WILLIAM GROTH, A. B.,
Spanish, French and German.

GROVER C. KREGLOW, B. S., A. B.,
Geology and Minerology.

LENIX C. SLEESMAN, PHARM. G., PHARM. C.
Metallurgy.

JESSE BEER, B. SC.,
Physics and Chemistry.

E. L. BERGER,
Assistant in Chemistry and Physics.

CHARLES H. FREEMAN, B. SC.,
English.

CHAS. B. WRIGHT, G. S.,
Corresponding Secretary O. N. U.

EMMA O. HUFFORD.
Auditor and Registrar.

COLLEGE OF ENGINEERING

The aim of the founders of the Engineering Department of the Ohio Northern University was to provide a school where an education in engineering could be obtained with the least possible expenditure of time and money. They found that about one-half of the time allotted to the Engineering Courses in other technical schools was devoted to the study of subjects having no direct bearing on Engineering and that by omitting these subjects, the time could be shortened to about two and one-half years. The success of the experiment in the course of Training thus offered is seen in the fact that a very large per cent. of the graduates are engaged in occupations connected with engineering. In thus reducing the length of the courses, censure has been provoked on the claim that a thorough knowledge of engineering is to be obtained only by pursuing a lengthy college course. It is sufficient reply to state that by omitting such subjects as have no direct bearing on engineering, an Engineering Degree has been placed within reach of thousands of worthy young men whose time and means will not permit them to spend the long period of four years in preparation for a profession.

The aim of the Department is to lay a foundation of sound theory and at the same time to impart such a knowledge of the usual professional practice as shall make its students useful in any position to which they may be called. The technical branches are taught and directed by teachers of professional experience as well as of full scientific training.

The benefits of classical and literary culture can not be overestimated, and to accommodate those desiring this culture in addition to the thorough technical training, the College of Liberal Arts with its excellent curricula and many advantages is open to all Engineering students free of extra tuition.

Admission

Students having a knowledge of the prerequisites for entrance into the respective courses herein set forth will be permitted to register as candidates for the corresponding Engineering Degrees. The prerequisites are mentioned in "Description of Courses." Preparatory work may be taken here, separately, or in connection with advanced work.

A liberal policy is pursued in giving credit for work done in other colleges.

Time to Enter

The large number of classes formed each term makes it possible for one to enter at almost any time in the year and find the work he desires. The best time to enter, however, is at the beginning of the term. See Calendar.

In view of the fact that every branch of study in the College of Engineering is presented from two to five times a year, students are given what they want, when they want it.

Options

With the advice and consent of the Professor-in-charge, certain subjects may be elected in the various courses to take the place of such as may not appeal to the student in his chosen profession. These are termed options, and are mentioned in the schedules of the courses.

CIVIL ENGINEERING

The technical instruction includes Drawing, Surveying, Railroad Engineering, Strength of Materials, Roofs, Bridges, Foundations, Arches, Retaining Walls, Dams, Water Works, River and Harbor Improvements, Sewerage, Drainage, Hydraulics, Water Power and Geodesy.

The teaching is done through class room exercises, field work, practical drawing and designing. Much time is devoted to the study of steel construction, during which the student is made familiar with the computation of stresses, designing, detailing and drawing of roofs, bridges and steel structures of all kinds. Those wishing to do so may elect advanced work in Hydraulics and Sewerage, to supplant a portion of the structural work of this course. The subject of roads and pavements, railroad construction and maintenance and masonry structures are exhaustively treated. Special attention is given to Land, Topographical Stadia and City Surveying and leveling. The aim is to fit men to act as county and city engineers, surveyors, railroad engineers, bridge engineers, structural engineers, hydraulic engineers, and government geodetic engineers. Besides the regular undergraduate work, special and more elaborate study is arranged for those wishing to prepare for particular positions.

The College is well equipped with high-grade Transits, Levels, Solar Compasses, Prismatic Compasses, Hand Levels, Aneroid

Barometers, Stadia Outfits, Sight Poles, Chains, Tapes. Stereotomy and Descriptive Geometry Models, Stone Cutter's Tools. Planimeters, Slide Rules, a collection of Photographs and shop drawings of bridges, a complete Blue Printing Outfit and drawing room, and an excellent scientific library. This equipment is constantly enlarging through purchase and donation and by construction of students of the College.

Schedule of Course

FIRST TERM.	Credit Hours
Algebra III	5
Free hand Drawing	5
Trigonometry I	5
Lettering	5
THIRD TERM	
Algebra V	5
Projections	5
Analytics II	5
Calculus I	5
FIFTH TERM	
Calculus III	5
Descriptive II	5
Physics IV	5
Chemistry II	5
SEVENTH TERM.	
Mech. of Materials II	5
Masonry	5
Physics VI	5
Field Eng.	5
NINTH TERM.	
Stresses II	5
Graphics II	5
Astronomy	5
Rail Road II	5
ELEVENTH TERM	
Bridge Design II	5
Hydraulics I	5
Least Squares	5
Elec. Rys.	2½
Estimates and Contracts	2½

SECOND TERM	
Algebra IV	5
Mechanical Drawing	5
Trigonometry II	5
Analytics I	5
FOURTH TERM	
Calculus II	5
Descriptive I	5
Anal. Mechanics	5
Chemistry I	5
SIXTH TERM.	
Mech. of Materials I	5
Geology	5
Physics V	5
Plane Surveying	5
EIGHTH TERM.	
Stresses I	5
Graphics I	5
Strereotomy	5
Rail Road I	5
TENTH TERM	
Bridge Design I	5
Field Astronomy	5
Higher Structures	5
Sewerage	2½
Roads and Pavements	2½
TWELFTH TERM.	
Building Construction	5
Hydraulics II	5
Geodesy	5
THESIS	

NOTE:—230 hours are required for graduation. Maximum number of hours per week, 25. Minimum number of hours per week, 15.

Options

Reinforced Concrete, Machine Design, Metallurgy, Mineralogy, Electrical Measurements, Mine Surveying.

ELECTRICAL ENGINEERING

The courses offered in this branch of Engineering require a thorough study of theoretical and applied electricity. The first half of the prescribed study is, in the main, the same as that in the Civil and Mechanical Engineering courses, including the fundamental engineering sciences, Mathematics, Drawing and Surveying.

The last half consists of courses of study in Stresses, Graphics, Strength of Materials, Hydraulics, Steam Engines, Advanced study in the Theory of Electricity, a large amount of Laboratory Research and Experiment, Shop Tests, Plant Testing, Meter Testing, Machine Drafting and Designing, Power Plant and Wiring Layouts, and a thorough course in Electrical Machine Construction.

The theoretical work is thoroughly supplemented with practical application in the laboratory and in the design of Electrical Machinery. Throughout the course the student is drilled in the solution of many numerical problems with a view to a firm grasp of the theory.

In addition to a first-class Physical Laboratory, the department has a well equipped Electrical Laboratory. The equipment includes a large number of small Motors and Generators, Voltmeters, Ammeters, Wattmeters, Transformers, Galvanometers, Bridges, X-Ray Machines, together with a full supply of the small apparatus needed in well-equipped laboratories and testing rooms. The University has recently added the following: A Westinghouse Single Phase Induction Motor, Westinghouse Transformer, Westinghouse Generator, Wagner Series and Potential Transformer, a Voltmeter, Millivoltmeter, Ammeter and Wattmeter, made by the Keystone Instrument Company; A Voltmeter and an Ammeter made by the Weston Elec. Inst. Co.; an American Voltmeter and Ammeter, a Millivoltmeter and Voltmeter, made by the Whitney Electrical Instrument Company; a Ballistic Galvanometer, Standard Condenser, and a standard Wheatstone Bridge made by Leeds & Northrup Co., and a two-panel Switchboard on which are mounted a Voltmeter, Ammeter, Frequency Meter, Recording Wattmeter, two Circuit Breakers and a number of Controlling Switches. The plant testing is done at the power station of the Ada Water, Heat & Light Company. This plant has a modern equipment of Corliss

Engines connected to single phase Alternators. All of the service meters of the Light Company are calibrated and repaired at the University Laboratory, thus giving the students unexcelled opportunity for studying meter design, construction and measurements.

Schedule of Course

FIRST TERM		SECOND TERM.	
Algebra III	5	Algebra IV	5
Freehand Drawing	5	Mechanical Drawing	5
Trigonometry I	5	Trigonometry II	5
Lettering	5	Analytics I	5
THIRD TERM		**FOURTH TERM.**	
Algebra V	5	Descriptive Geometry	5
Projections	5	Plane Surveying	5
Analytics II	5	Calculus II	5
Calculus I	5	Chemistry I	5
FIFTH TERM.		**SIXTH TERM.**	
Calculus III	5	Mechanics Mat'ls I	5
Physics IV	5	Analytical Mechanics	5
Machine Drawing	5	Machine Design I	5
Chemistry	5	Physics VI	5
SEVENTH TERM.		**EIGHTH TERM.**	
Mechanics Mat'ls II	5	Elec. Mach. II	5
Mach. Design II	5	Elec. Mach. III	5
Elem. Elec. Eng	5	Masonry	5
Elec. Mach. I	5	Physics V	5
NINTH TERM		**TENTH TERM.**	
Elec. Mach. IV	2½	Elec. Mach. VI	5
Elec. Mach. V	5	Stresses I	5
Steam Engines	5	Graphics I	5
Differential Equations	5	Electrical Transmission	5
ELEVENTH TERM.		**TWELFTH TERM.**	
Elec. Mach. VII	5	Elec. Mach. IX	5
Elec. Mach. VIII	5	Theory of Alter. Currts	7½
Hydraulics I	5	Hydraulics II	5
Elec. Rys	2½	THESIS	
Estimates and Contracts	2½		

Note—230 credit hours are required for graduation.
Note—Two hours' laboratory work constitutes one credit hour.
Maximum number of hours per week—25.
Minimum number of hours per week —15.

Options

II Descriptive Geometry, II Stresses, Structural Design, Electric Meters, Storage Batteries, Telephone Engineering, Steam Engine Design, Metallurgy, Railroad Engineering. Gas Engines.

MECHANICAL ENGINEERING

Mechanical Engineering deals with the transformation and transmission of energy, and with the theory and construction of mechanism and machinery. The courses offered are designed to equip the student with the theoretical and practical training that

will enable him to cope with the intricate and complicated problems arising in this phase of Engineering. The first half of the course consists of the usual basic Engineering studies. In the latter half the special Mechanical Engineering studies are taken up. Thorough training is given in Machine Drafting, Machine Designs, Thermodynamics, Steam Engines, Steam Boilers, Gas Engines, Electrical Machinery and Steam Power Plants. The Power Plant of the Ada Water, Heat & Light Company is open to students for inspection and test purposes, and forms part of the Laboratory facilities. Their equipment consists of modern fire tube boilers, Corliss Engines, Duplex hot and cold water Pumps, and single phase induction type Generators. The department owns the following: A Steam Engine and Boiler arranged for making the usual tests made in practice; a Gasoline Engine, Calorimeter, Indicator outfit, Sectional Buckeye Automatic Engine, Planimeters, Slide Rules, and many models of Valves, Lubricators, Gauges, Injectors, Shop Tools and so on.

Schedule of Course

FIRST TERM	
Algebra III	5
Freehand Drawing	5
Trigonometry	5
Lettering	5

SECOND TERM	
Algebra IV	5
Mechanical Drawing	5
Trigonometry II	5
Analytics I	

THIRD TERM	
Algebra V	5
Projections	5
Analytics II	5
Calculus I	5

FOURTH TERM.	
Calculus II	5
Descriptive Geometry I	5
Plane Surveying	5
Chemistry I	5

FIFTH TERM.	
Calculus III	5
Physics IV	5
Descriptive Geometry II	5
Chemistry II	5

SIXTH TERM	
Mechanics Mat'ls I	5
Physics V	5
Analytical Mechanics	5
Machine Drawing	5

SEVENTH TERM.	
Mechanics Mat'ls II	5
Thermodynamics	5
Physics VI	5
Mach. Design I	5

EIGHTH TERM.	
Mach. Design II	5
Theory of Steam Eng.	5
Masonry	5
Metallurgy	2½
Mechanical Lab. I	1½

NINTH TERM.	
Stresses I	5
Graphics I	5
Steam Eng. Design	5
Elem. Elec. Eng	5

TENTH TERM.	
Stresses II	5
Mech. Lab. II	5
Elec. Mach. I	5
Hydraulics I	5

ELEVENTH TERM.	
Hydraulics II	5
Elec. Mach. III	2½
Struct. Design	5
Steam Power Plants	5
Elec. Mach. V	5

TWELFTH TERM.	
Steam Turbines	5
Gas Engines	5
Estimates and Contracts	2½
THESIS	

Note—230 hours are required for graduation.
Note—Two hours' laboratory work constitute one credit hour.
Maximum number of hours per week—25
Mimimum number of hours per week—15

Options

Electric Mach. IV, Electric Mach. V, Bridge Design, Railroad Engineering, Reinforced Concrete.

MUNICIPAL AND SANITARY ENGINEERING

This branch of Engineering is most nearly related to the parent stem, Civil Engineering. The instruction consists of the basic engineering sciences, and most of the general civil engineering subjects, special attention being paid to those branches which have to do with the public health. This calls for a better knowledge of Chemistry, Bacteriology and Sanitation than can be obtained in the usual course in Civil Engineering, and additional work is given in Topographical Surveying, Water Supply, Sewer Design, Sewage Disposal, Roads and Pavements and Precise Surveying. The increasing demand for this grade of Engineers has made it one of the leading courses in all scientific schools.

To those pursuing this course, the city improvements now in progress in Ada afford an opportunity to make practical observation and to assist in establishing street and sidewalk grades, cross-sectioning and computing earth work, laying out street and alley intersections, installing sewers and accessories, inspecting, drawing up specifications, advertisements and proposals and and letting out contracts.

Course of Study

FIRST TERM	Credit Hours	SECOND TERM	Credit Hours
Algebra III	5	Algebra IV	5
Free hand Drawing	5	Mechanical Drawing	5
Trigonometry I	5	Trigonometry II	5
Lettering	5	Analytics I	5
THIRD TERM		**FOURTH TERM**	
Algebra V	5	Calculus II	5
Ppojections	5	Descriptive I	5
Analytics II	5	Anal. Mechanics	5
Calculus I	5	Chemistry I	5
FIFTH TERM		**SIXTH TERM**	
Calulus III	5	Mech. of Materials I	5
Descriptive II	5	Geology	5
Physics IV	5	Physics V	5
Chemistry II	5	Chemistry III	5

SEVENTH TERM	
Mech. of Materials II	5
Masonry	2½
Physics VI	5
Foundations	2½
Water Analysis	5
NINTH TERM	
Stresses II	5
Graphics II	5
Astronomy	5
Municipal Engineering	5
ELEVENTH TERM	
Hydraulics I	5
Sewerage Disposal	2½
Water Supply and Irrigation	5
Estimates and Contracts	2½
Topographical Surveying	2½
Mapping	2½

EIGHTH TERM	
Stresses I	5
Graphics I	5
Strereotomy	5
Plane Surveying	5
TENTH TERM	
Field Astronomy	5
Sewer Design	2½
Roads and Pavements	2½
Structural Design	5
Railroad I	5
TWELFTH TERM	
Hydraulics II	5
El. Transmission	5
El. Railways	2½
THESIS	

Note—Three hours' field work is equivalent to one credit hour. 230 credit hours are required for gradnation.

MINING ENGINEERING

This course includes most of the Civil Engineering subjects and an extended study of Historical Dynamical and Economical Geology, Mineralogy, Metallurgy, Hydraulics, and the Assaying of Gold, Iron, Silver and Copper.

Course of Study

FIRST TERM	Credit Hours
Algebra III	5
Free hand Drawing	5
Trigonometry I	5
Lettering	5
THIRD TERM	
Algebra V	5
Projections	5
Analytics II	5
Calculus I	5
FIFTH TERM	
Calculus III	5
Descriptive II	5
Physics IV	5
Chemistry II	5
SEVENTH TERM	
Mech. of Materials II	5
Physics VI	5
Geology II	5
Mine Surveying	2½
Estimates and Contracts	2½
NINTH TERM	
Stresses II	5
Graphics II	5
Machine Design I	5
Sewerage	2½
Blowpipe Analysis	2½

SECOND TERM	Credit Hours
Algebra IV	5
Mechanical Drawing	5
Trigonometry II	5
Analytics I	5
FOURTH TERM	
Calculus II	5
Descriptive I	5
Anal. Mechanics	5
Chemistry I	5
SIXTH TERM	
Mech. of Materials I	5
Geology I	5
Physics V	5
Plane Surveying	5
EIGHTH TERM	
Stresses I	5
Graphics I	5
Masonry	5
Mining Law	2½
Mineral Land Surveying	2½
TENTH TERM	
Hydraulics	5
Assaying	5
Machine Desing II	0
Elect. Transmission	5

ELEVENTH TERM		TWELFTH TERM	
Hydraulics II	5	Hydraulic Machinery	5
Mineralogy	5	Petrography	5
Metallurgy	5	THESIS	
Elect. Machinery I	5		

Note—Three hours' field work is equivalent to one credit hour. 230 credit hours are required for graduation.

ARCHITECTURE

The object of this course is to unite a thorough knowledge of the mechanics of materials and engineering construction with a special training in Architectural Design and Decorative Art. Instruction is given in the basic engineering sciences, most of the general civil engineering subjects, and an exhaustive course is marked out in Architectural History, Ornamentation, Decorating, Architectural Designing, Heating, Ventilating, Plumbing, Estimates, Fire Proofing and Superintendence.

Course of Study

FIRST TERM	Credit Hours	SECOND TERM	Credit Hours
Algebra III	5	Algebra IV	5
Free hand drawing	5	Mechanical Drawing	5
Trigonometry	5	Trigonometry II	5
Lettering	5	Analytics I	5
THIRD TERM		**FOURTH TERM**	
Algebra V	5	Calculus II	5
Projections	5	Chemistry I	5
Analytics II	5	Perspective	5
Calculus I	5	Anal. Mechanics	5
FIFTH TERM		**SIXTH TERM**	
Calculus III	5	Mechanics Mat'ls. I	5
Physics IV	5	Physics VI	5
Descriptive I	5	Descriptive II	5
Chemistry II	5	Geology I	5
SEVENTH TERM		**EIGHTH TERM**	
Mechanics Mat'ls II	5	Stresses I	5
Descriptive III	5	Graphics I	5
Physics VI	5	History of Architecture	5
Plane Surveying	5	Masonry	2½
		Foundations	2½
NINTH TERM		**TENTH TERM**	
Stresses II	5	Higher Structures	5
Graphics II	5	Arch Drawing I	5
Stereotomy	5	Building Construction	5
Curves and Earthwork	2½	Building Laws	2½
Estimates and Contracts	2½	Wash Drawings	2½
ELEVENTH TERM		**TWELFTH TERM**	
Arch. Drawing II	5	Ventilation and Heating	5
Hydraulics I	5	Arch. Design	5
Landscape Design	5	Electrical Wiring	2½
		THESIS	

Note—Three hours' field work is equivalent to one credit hour. 230 credit hours are required for graduation.

PREREQUISITES

Civil Engineering

1. **Plane Surveying:** Chain, compass, level and transit use. Text-Pence and Ketchum's Manual of Surveying. Prerequisite: Trigonometry.
2. **Field Engineering:** Land, topographical, stadia and city surveying. Drawing room—platting, blue printing and tinting. Text: Professor's notes. Prerequisite: Plane Surveying.
3. **Railroad Engineering I.:** Reconnaissance, preliminary and mathematics of curves. Text: Searle's Field Engineering. Prerequisite: Field Engineering.
4. **Railroad Engineering II.:** Location, maintenance, and economics. Text: Professor's notes and Talbot's Transition Curves. Prerequisite: Railroad I.
5. **Highway Engineering:** Location and construction of streets and pave ments. Text: Baker's Roads and Pavements. Prerequisite: Field Engineering.
6. **Structural Geology:** A study of the earth's crust, dealing with rock form and structure, and the formation of mineral deposits and mountains. Text: LeConte. Prerequisites: Physical Geography, Chemistry and Physics.
7. **Sewerage:** Disposal and design. Text: Folwell's Sewerage. Prerequisites: Chemistry and Surveying.
8. **Hydraulics I.:** Hydrostatic and hydromechanic pressures. Text: Merriman's Hydraulics. Prerequisites: Physics and Calculus.
9. **Hydraulics II.:** Hydraulic machinery. Text: ..... Prerequisite: Hydraulics I.
10. **Least Squares:** Its relation to Engineering. Text: Merriman's Method of Least Squares. Prerequisites: Calculus, Mechanics.
11. **Astronomy:** Study of the celestial spheres. Text: Young's Manual of Astronomy. Prerequisite: Calculus.
12. **Field Astronomy:** Observation and computation. Text: Comstock. Prerequisite: Astronomy.
13. **Geodesy:** Geodetic surveying and map making. Text: Merriman. Prerequisite: Least Squares.
14. **Masonry:** Properties and uses of sand, brick, lime and cement. Text: Baker's Masonry Construction. Prerequisites: Stereotomy, Mechanics.
15. **Foundation and Retaining Walls:** Foundations, dams, retaining walls, culberts, arches. Text: Baker. Prerequisite: Masonry.
16. **Mechanics of Materials I. and II.:** The course in Mechanics of Materials takes up work in elastic and ultimate strength of materials and treats of the simple stresses which may come upon materials. This is followed by elastic and ultimate deformations. This carries the student into a further discussion of the resistance and elasticity of materials, the theory of beams, continuous girders, columns and shafts. The course also includes a discussion of the resilience, combined and true stresses, and elements of the mathematical theory of elasticity. Text: Merriman's Machanics of Materials. Prerequisites Higher Mathematics.
17. **Stresses I. and II.:** Roofs and bridges. Text: Merriman's Bridge I. Prerequisites: Higher Mathematics and Mech., of Mat.
18. **Graphics I. and II.:** Roofs and Bridges. Text: Merriman's Bridge II. Prerequisite: Higher Mathematics.
19. **Higher Structure:** Cantilevers, swing bridges, arches, suspension bridges. Text: Merriman's Bridge IV. Prerequisite: Stresses and Graphics.
20. **Bridge Design I.:** Roofs, trusses and plate girder bridges. Text: Merriman's Bridge III. Prerequisites; Stresses and Graphics.
21. **Bridge Design II.:** Complete design of simple trusses and special bridges. Text: Merriman's Bridge III. Prerequisites: Bridge Design I.
22. **Building Construction:** Computation of Stresses and design of modern structures. Text: Ketchum's Mill Buildings. Prerequisites: Stresses and Graphics.

Drawing

1. **Freehand Drawing:** Sketching and pencil work.
2. **Lettering:** Freehand engineering lettering.
3. **Mechanical Drawing:** Use of drawing instruments, cabinet and isometric projections, working drawings. Text: Rhinehart's Mechanical Drawing. Prerequisite: Freehand drawing, geometry, lettering.

4. **Projections.**: Orthographic projections, intersections, shadows, elementary linear perspective. Text: Tracy's Mechanical Drawing. Prerequisite: Mechanical Drawing.

5. **Descriptive Geometry I.**: Advanced orthographic projection planes, single and double curved surfaces. Text: Church's Descriptive Geometry. Prerequisite: Projections.

6. **Descriptive Geometry II.**: Spherical projections, maps, shadows, perspectives. Text: Church's Descriptive Geometry. Prerequisite; Descriptive Geometry I.

7. **Machine Drawing:** Drafting room practice, conventions, detailing, assembly drawings, checking. Text: Reid's Machine Drawing and Elementary Machine Design. Prerequisite: Descriptive Geometry I.

8. **Machine Design I.**: (Kinematics of Machinery): Velocity diagrams, gears, cams, couplings, straight line and parallel motions. Text: Jones' Machine Design, Part I. Prerequisites: Machine Drawing, Mechanics I.

9. **Machine Design II.**: Form, strength, proportions, bearings, gears, shafts, couplings, fly-wheels, cylinders. Text: Jones' Machine Design, Part II. Prerequisites: Machine Design, Part I., Mechanics of Materials I.

10. **Stereotomy:** Intersecting arches, warped surfaces etc., modelling and drawing. Text: French and Ives' Stereotomy. Prerequisite: Descriptive Geometry.

Electrical Engineering

1. **Elementary Electrical Engineering:** Lectures, Problems and Laboratory work in electrical measurements. Prerequisite. Physics VI.

2. **Electric Machinery I.** (D. C. Generators).: Physical theory, construction, reactions, windings, Text: S. P. Thompson's Dynamo Machinery, Vol. I. Prerequisites: Elements, Calculus I.

3. **Electric Machinery II.**: (D. C. Moters, Regulators, Balances): Theory and Construction. Text: S. P. Thompson's' Dynamo Machinery, Vol. I. Prerequisite: Electric Machinery I.

4. **Electric Machinery III.**: (D. C. Laboratory): Experimental work with direct currents and D. C. apparatus. Prerequisite: Electric Machinery I. and II.

5. **Electric Machinery IV.**: (D. C. Machine Design): Practical design of a D. C. generator. Text: S. P. Thompson's Dynamo Design. Prerequisite: Electric Machinery II.

6. **Electric Machinery V.**: (A. C. Generators): Theory, construction, windings. Text: S. P. Thompson's Dynamo Machinery. Vol. II. Prerequisite: Electric Machinery II.

7. **Electric Machinery VI.**: (Transformers): Theory, construction, design. Texts: S. P. Thompson's Dynamo Machinery, Vol. II., Fleming's Alternating Current Transformers. Prerequisite: Electric Machinery V.

8. **Electric Machinery VII.**: (A. C. Motors, Synchronous and Induction): Theory, construction, diagrams, design. Text: McAllister's A. C. Motors S. P. Thompson's Dynamo Machinery, Vol. II. Prerequisite: Electric Machinery VI.

9. **Electric Machinery VIII.**: (A. C. Design): Design of an A. C. Generator. Text: S. P. Thompson's Dynamo Machinery, Vol. II. Prerequisite: Electric Machinery V

10. **Electric Machinery IX.**: (A. C Laboratory): Prerequisite: Electric Machinery VII.

11. **Alternating Currents:** Advanced Theory, lectures, recitations and laboratory. Text: Bedell and Crehore. Prerequisite: Electric Machinery V.

12. **Electric Railways:** Probable earnings, surveys, construction, operating expenses, car barns. Texts: Herrick & Boynton's Electric Railway Practice, Gotscall's Electric Railway Economics, Current Periodicals. Prerequisite: For E,. E. Mach. VII.

13. **Electrical Transmission of Energy:** Circuits, losses, tests, circuit design. Text: Abbott's Electrical Transmission of Energy. Prerequisite: For E. E. Students E. E. Machine VII.

14. **Electric Meters** (D. C. and A. C. Meters): Theory, construction, calibration. Prerequisite: Electric Machinery V.

15. **Storage Batteries:** Theory, construction. Prerequisites: Chemistry II., Electric Machinery I.

16. **Telephone Engineering:** Circuits, apparatus, central office equipment, cable plant. Testing. Prerequisite: Electrical Machine I.

Mathematics

1. **Algebra III.**: Special stress is laid on factoring, radical quantities, fractional exponents, the solution of simple equations of one., two or more unknown quantities and the quadratic of one unknown. Text: Wentworth. Prerequisite: Alg. I. and II.

2. **Algebra IV.**: The large part of this course is a study of the quadratic equation, followed by the surds, the imaginaries, the binomial theorem and arithmetical, geometrical and harmonic series. Text: Wentworth. Prerequisite: Alg. III.

3. **Algebra V.**: An exposition of the theory of logarithms; permutation combinations, choice and chance.; determinants; theory of equations. Text: Wentworth. Prequisite: Alg. IV.

4. **Trigonometry I.**: Plane. This course includes the theory of the trigonometric functions and their application to the solution of right and oblique triangles; the use of tables; the solution of a large number of practical problems. Text: Murray. Prerequisite: Alg. II. or High School equivalent.

5. **Trigonometry II.**: Gives attention to the solution of trigonometric identities, the solution of trigonometric equations and the theory and solution of spherical triangles. Text: Murray. Prerequisite: Trig. I.

6. **Analytical Geometry I.**: The properties of the straight line, the circle, and the parabola. Text: Gale and Smith. Prerequisite: Trig. I.

7. **Analytical Geometry II.**: The ellipse, the hyperbola, the discussion of the higher plane curves and solid analytical geometry. Text: Gale and Smith. Prerequisite: Anal. I.

8. **Calculus I.**: Differential Calculus. Differentiation of functions; applications of the derivatives; maxima and minima of functions. Text: Granville. Prerequisite: Analytics I.

9. **Calculus II.**: Infinite Series. Curvature of curves; evolutes and involutes; curve tracing; infinite series; integration. Text: Granville. Prerequisite: Calculus I.

10. **Calculus III.**: Integral Calculus. Indefinite integration, and the application of integral calculus to the solution of practical problems. Text: Granville. Prerequisite: Calculus II.

11. **Differential Equations**: Solution of problems of the first and second degree. Text: Johnson. Prerequisite: Calculus III.

12. **Analytical Mechanics**: In order to prepare for the more technical studies of Mechanics of Machinery and Applied Mechanics, a course in the principles of Mechanics is given. The text-book is supplemented with original problems so as to get the student into the habit of analyzing these problems and using his own methods of solution. Text: Maglott. Prerequisites: Calc. I.

Mechanical Engineering

1. **Thermodynamics**: Theory of heat, laws of dynamics, perfect gases, saturated vapors, superheated vapors. Text: Peabody's Thermodynamics. Prerequisites: Calculus II., First Year Physics.

2. **Theory of Steam Engines**: Steam engines, compound engines, engine testing, engine economy. Text: Peabody. Prerequisite: Thermodynamics.

3. **Steam Engine Design**: Complete design of a steam engine. Text: Whithaur's Steam Engine Design. Prerequisites: Machine Design II., Theory of Steam Engine.

4. **Steam Boilers and Boiler Design**: Structure, design, fuels, heating surface, boiler trials. Text: Thurston's Manual of the Steam Boiler. Prerequisites: Thermodynamics, Machine Design II.

5. **Steam Power Plants**: Plant layouts, plant testing, economy, design. Prerequisites: Theory of Steam Engine, Steam Boilers.

6. **Steam Turbines**: Velocity and flow of steam, flow of steam through orifices, turbines, reaction turbines, impulse-reaction turbines. Prerequisite: Thremodynamics.

7. **Gas Engines**: Liberation of heat energy, combustion, gas engines burning gas, gas engines using kerosene oil, gas engines using gasoline, automobile engines, ignition, carburation testing. Text: Hutton's The Gas Engine. Prerequisite: Thermodynamics.

8. **Mechanical Lab. I.**: Laboratory work in Heat measurements, Boiler Tests: Prerequisite: Thermodynamics.

9. **Mechanical Lab. II.**: Steam and Gas Engine Tests, Power Plant Test, Problems. Prerequisites: Theory of Steam Engines.

Physics and Chemistry

4. **Physics IV.:** (University Physics—Mechanics): Kinematics, kinetics. elasticity, mechanics of fluid, lectures, class exercises and laboratory work, Text: Carhart's University physics. Prerequisites: Physics I., II., and III. and Calculus I.

5. **Physics V.:** (University Physics—Sound, Heat and Light): Nature and motion of sound, theory of music, nature and propagation of light, refraction, reflection, dispersion and polarization, nature of heat, temperature, expansion, fusion, kinetic theory of gases. Text: Carhart's University Physics. Prerequisites: Same as in Physics 4.

6. **Physics VI.:** (University Physics—Magnetism and Electricity): Electrical charges, potential capacity, electrolysis, Ohm's law. Electrodynamics electromagnetism, electro-magnetic induction, electric oscillations. Lectures and class exercises. Text: Carhart's University Physics. Prerequisites: The same as in Physics IV.

7. **Chemistry I.:** This is a course in the non-metallic elements and their inorganic compounds. The class work consists of lectures, recitations and demonstrations. In individual laboratory work, each student thoroughly investigates every subject. Text: Smith. Prerequisite: Physics I., II., III. Algebra 1.

8. **Chemistry II.:** In this course the metallic elements, their compound and chemical philosophy are theoretically and practically taught by lectures, recitations, demonstrations and much individual laboratory work by the student. Text: Smith. Prerequisite: Chemistry I.

SCHEDULE OF CLASSES

For the convenience of students desiring to attend the University during certain terms only, or to specialize along certain lines, the following condensed form of the schedule of the different subjects taught during the school year is presented.

Many special classes are formed in connection with these.

Fall Term	Winter Term	Middle Term	Spring Term	Summer Term
Alg. III	Algebra III	Algebra III	Algebra III	Algebra III
Algebra IV	Algebra IV	Algebra IV	Algebra IV	Algebra IV
Algebra V		Algebra V		Algebra V
Trigonometry I	Trigonometry I	Trigonometry I	Trigonometry I	Trigonometry I
Geology	Trigono. II	Geology	Trigonometry II	Geology
Chemistry I	Chemistry I	Chemistry I	Chemistry I	Chemistry I
Chemistry II	Chemistry II	Chemistry II	Chemistry II	Chemistry II
Freehand	Freehand	Freehand	Freehand	Freehand
Lettering	Lettering	Lettering	Lettering	Lettering
Analytics I	Analytics II	Analytics I	Analytics II	
Calculus I	Calculus II	Calculus III	Anal. Mechanics	
Astronomy	Anal. Mechan.	Calculus I	Calculus II	Calculus III
Physics IV	Physics V	Physics VI	Astronomy	Field Astronomy.
		Physics IV	Physics V	Physics VI
Mech of Mat I	Mech of Mat II	Mech of Mat I	Mech of Mat II	Masonry
Stresses I	Stresses II	Stresses I	Stresses II	Higher Str.
Graphics I	Graphics II	Graphics I	Graphics II	Est. and Con.
Hydraulics I	Hydraulics II	Hydraulics I	Hydraulics II	Roads and Pave.
Bridge Des. I	Bridge Des. II	Bridge Des I	Bridge Design II	
Elec Mach II	Elec. Mach. I	Elec. Mach. II	Elec. Mach. III	Elec. Meters
Elec. Meas.	Elec Mach III	Elec Mach V	Elec Mach VI	Storage Batteries
Thermodyn	Mach Des I	Mach Des II	Elec Railways	Telephone Eng'r
Mach Draw	Steam Engines	Steam Eng De	Steam Boiler	
RailRoad I	Rail Road II	Higher Str.	Rail Road I	Rail Road II
Plane Surv.	Field Eng'r.	Masonry	Plane Surv.	Field Eng'r.
Mech Draw	Projections	Mech. Draw	Projections	Mech. Draw.
Descriptive I	Descriptive II	Descriptive I	Descriptive II	OPTIONS
	Mineralogy	Metallurgy	Sewerage	
	Contracts	Least Squares	Re-inforced Con	
			Stereotomy	
			Geodesy	

THESES

Every candidate for a degree must prepare a thesis upon some technical or scientific study, which lies within the field of the degree sought; the study to be selected with the approval of the professor-in-charge.

All these must be typewritten and be deposited with the Dean at least four weeks before the conferring of the degree.

EXPENSES

On account of the large number of students attending school at the Ohio Northern University, the cost of living has been reduced to a minimum. Tuition for a term of ten weeks, $12.00. Good board in private families can be obtained at prices ranging from $1.65 to $2.50 per week, and a well furnished room at from 50 to 75 cents per week. Ada is a school town and the majority of the families are engaged in boarding and rooming students. The competition is sharp; hence prices are low and board is good.

For $36.00 paid in advance the University agrees to furnish any person tuition, board and furnished room for ten weeks; this is called the term plan.

A graduation fee of $3.00 is charged to cover cost of diploma. If real parchment is desired, the cost is $1.00 extra.

For general catalogue, address,

CHAS. B. WRIGHT, Cor. Sec'y.

For special information concerning Engineering subjects, address, THOMAS J. SMULL, Dean, Ada, O.

College of Engineering, Ohio Northern University.

COLLEGE OF COMMERCE

BUSINESS

COMMERCIAL LAW

STENOGRAPHY

TYPEWRITING

PENMANSHIP

BANKS AND OFFICES OF THE BUSINESS COLLEGE.

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

CHARLES B. WRIGHT, G. S.,
Dean.
Stenography, Typewriting, Business English and Letterwriting.

WALTER E. CRIM, M. C. S.,
Theory of Bookkeeping, Practical Bookkeeping, Banking, Actual Business, Office Practice.

EMMET E. LONG, B. C.,
Business and Ornamental Penmanship, Pen Drawing, Commercial Arithmetic, Spelling, Rapid Calculation.

GEORGE W. SCHEID, B. STEN.,
Stenography, Typewriting.

FRANK B. WILLIS, A. M., LL. B.,
Commercial Law, History, Civics.

FREDERICK MAGLOTT, A. M.,
Commercial Geography, History of Commerce.

W. A. HUFFORD, A. M.,
Practical Arithmetic.

JOHN G. PARK, A. M.,
Grammar, Analysis.

CHARLES H. FREEMAN, B. SC.,
Rhetoric and Literature.

RICHARD H. SCHOONOVER, A. M.,
Orthography.

EMMA O. HUFFORD,
Auditor and Registrar.

GENERAL REMARKS

Commercial training has assumed enormous proportions in this country, and is progressing in leaps and bounds, attracting the attention of our foremost educators and securing the support of our foremost business men. Indeed, the change in public sentiment and the widespread adoption of the central idea of commercial training is phenomenal and well-nigh revolutionary in the history of education.

The main cause lies in the fact that this is essentially a commercial and industrial nation. Even the agriculturist is becoming more and more a business man, and the day laborer finds commercial training a stepping stone to something better. Hence the rapidly increasing demand for trained men and women as Bookkeepers, Stenographers, Typewriter Operators, Penmen, Clerks and Assistants, in every avenue of business.

The time required to fit one's self in these lines is not so great that any need hesitate to avail themselves of the opportunity. The great drawback in undertaking this line of training has been the expense involved, only few young men and women being able to pay the enormous rates charged by the numerous business colleges. Most of these have been organized to instruct in one or two branches, and have no other means of support. Rent, light and fuel are high, and cost of living far exceeds that of a smaller place, so that they can ill afford to demand less than seventy-five to one hundred dollars tuition for a few months' course.

The College of Commerce of the Ohio Northern University is maintained for the distinct purpose of fitting men and women for business pursuits. Its graduates are ready to go into a business office and perform the work with accuracy and dispatch.

Located in a school town, a part of a great University, and having been training young men and women in these lines for more than thirty years, its advantages are unexcelled; here the cost of an education is extremely low.

All departments of the College of Commerce are open to inspection, and those who contemplate taking a business course, on investigating the results attained here, will see the manifest superiority of its system of instruction and training. Everything is thorough, practical and economical.

To those who are not sufficiently advanced to take up the work of the College of Commerce, the Common School Course is recommended.

BUSINESS DEPARTMENT

Course of Study

FIRST TERM.

Theoretical Bookkeeping, Practical Arithmetic, Commercial Law, Spelling and Rapid Calculation, Penmanship, Typewriting.

SECOND TERM.

Practical Bookkeeping, Commercial Arithmetic, Commercial Law, Banking Penmanship, Business English, Mimeographing, Letter Press Copying, Adding Machine.

NOTE:—Students are required to take Practical Arithmetic or pass an entrance examination in this branch.

Students desiring credit for work in Bookkeeping done elsewhere must present books worked out.

A grade of 85 per cent. in Rhetoric will be accepted for Business English.

Initiatory Bookkeeping

The object of the Initiatory Bookkeeping Department is to present to the student a thorough explanation and illustration of the fundamental principles of bookkeeping. The instruction is individual in method and illustrative in character. The student is carefully drilled in the fundamental and scientific principles of double entry bookkeeping, the forms of all classes of commercial paper, as notes, drafts, checks, bills of exchange, bank drafts, receipts, etc., and the laws relating hereto. After a thorough drill in journalizing, posting making out business statements, trial balances and the methods of closing different kinds of ledger accounts, including constant blackboard illustrations and practice, the student passes to more advanced work, where he is required to make use of the various papers necessary to perform such transactions.

Having satisfactorily completed the work in Part I., the student is placed in precisely the same position as if taken into a merchant's counting room and put in charge of the books as head bookkeeper.

The object of Part II. is to teach the practical application of the principles of debits and credits by the introduction of the Sales Book, Invoice Book, Cask Book and Pass Book

Here the student makes his entries from invoices of merchandise bought, bills of merchandise sold, notes, checks, drafts, etc., received in the course of his business; deposits money in bank, draws checks and drafts, issues notes, makes out bills, etc.; in fact, he is a bookkeeper from the start, actually performing all his duties from the simplest to the most complex under the careful supervision of the teacher.

Frequent lectures and drills are given as to the manner of handling all kinds of commercial paper, the treatment of Shipments and Consignments, Merchandise and Adventure Co's., the changing of a set of books from single to double entry, the different ways of adjusting losses and gains in partnership settlements and numerous other principles necessary to a thorough knowledge of the work in hand.

Actual Business

One cannot become an expert accountant by reading a treatise or studying a manual. There is only one way to learn bookkeeping and business work, and that is by experience. This school furnishes that experience in its Actual Business Department, which teaches business principles by requiring each student to make actual use of all of them.

Each student is given a capital with which he embarks in the General Merchandise business on his own responsibility. He has a business of his own which claims his attention and ability and requires him to bring into play all he has previously learned.

He is required to balance his books every day. One business is closed out and another embarked in through a series of different businesses requiring different forms of books and papers.

He is required to make out all papers and go through all forms necessary to complete the work, and all books and papers are carefully graded and all errors corrected before he is allowed to enter the Office Work. He secures employment in a series of Real Estate, Brokerage, Commission, Railway, Insurance and Wholesale houses where he becomes familiar with the forms and methods of conducting each respectively, after which he is promoted to a place in one of the three banks. Here he is made familiar with the different kinds of books used by modern banks, is given a thorough drill in Interest and Discounts from the practical standpoint and fills the different positions in the bank, such as Collection Clerk, Discount Clerk, Receiving and Paying Teller and Cashier.

Examinations are held at regular periods and each student is required to have his work right before he is promoted from one part to another. All instruction in this department is given on the individual plan, and each student is, therefore, advanced just as fast as his work warrants, and no faster. The work of this department is modeled on lines of originality. Its strongest features are not found in other Business Colleges.

The graduate of the Business Department of the Ohio Northern University is a thoroughly competent bookkeeper, self-reliant, and, because of the diversity and scope of his training, ready to adapt himself to the varied conditions that confront a bookkeeper in the different lines of business in which he may be employed.

Commercial Law

While most commercial schools devote but little attention to this subject, here it is considered a very important branch. Only such topics are taken up, however, as will be of interest and use to everyone in business life; the aim being not to make lawyers, but to teach the essentials of the law so as to enable one to fully protect himself or employer.

Such subjects as these are considered: Contracts, Negotiable Papers, Agency, Partnership, Corporations, Liens, Interest and Usury Law of Partial Payments, Common Carriers, Guaranty and Suretyship, Bailments, Stoppage in Transit, Limited Partnerships, Law of Tender, Bankruptcy, Merger, Wills, Mortgages, Deeds, Conveyances of Real Estate, Etc.

The teacher of Commercial Law is a regular graduate of a Law School and holds the degree of LL. B.

There is a recitation each day an hour long, and use is made of the text and case method, as well as the lecture and quiz methods.

Spelling

A large per cent.of those who apply for positions receive no consideration at the hands of prospective employers on account of defects in their letters of application. A mispelled word is frequently the difference between success and failure. More stenographers lose positions on account of bad spelling than from any other cause.

In the drill here, students are assigned lessons from practical lists, and attention is given to the pronunciation and meaning of words and their use in the sentence, as well as to their correct spelling.

Commercial Arithmetic

Thorough drill is given in all the operations required in the ordinary transactions of business. Students are trained to use reason in obtaining results, instead of mechanically following some set rule or form. Special attention is paid to rapidity and accuracy in addition and the use of the shortest methods possible for computing interest and discount. Young men and women thus trained are enabled to

solve the numerous business problems which arise in every business house, and which must be solved quickly and accurately.

Students already proficient in arithmetic can finish this part of the work quickly but those whose early education has been neglected must work until they make up, as far as possible, for the lack of early training.

Time Required

It requires from two to three terms to complete the Business Course, the length of time depending on previous educational preparation, application, aptness, and so on.

The college is desirous that its graduates shall fully meet the rigorous demands of business employers. This thorough preparation cannot be made in a day; time is an important factor in developing skill. And so no short cut, catch-penny courses are arranged either as to time or quality. The diploma must be a recommendation of ability, as well as a certificate that the specific course has been taken.

To secure a diploma from this Department, the student must have a grade of at least 85 per cent. in all the branches named above.

Those having completed the above course are entitled to the degree of Bachelor of Commercial Science.

Students may enter at any time, but all who can are advised to enter at the beginning of the term.

Special Fees

A fee of $5.00 is charged on entering the practical Business Department, for use of ledgers, commercial papers, etc., and use of typewriter ten weeks. Fee for use of Adding Machine, $1.00. A deposit of $2.00 is also required for college currency, which will be refunded when currency is returned, less deduction for loss. The applicant for currency must present his receipt for the above named fee.

STENOGRAPHIC DEPARTMENT

Young men and women cannot engage in a more lucrative business than shorthand reporting.

A large per cent of the hundreds who write regarding this department, ask this question: "Is there a demand for stenographers?" The employment department of the Remington Typewriter Company is conducted through the regular offices in every important city in the United States. It supplies competent stenographers to users of

writing machines, without charge either to the employer or the employee. The Dean has been in correspondence with the heads of this department in Chicago, Cleveland and Pittsburg. They assure him that they can place all who carry a diploma from the O. N. U. College of Commerce and a letter of recommendation from the Dean. Stenographers have unequalled opportunities for advancement. Whenever promotions are made the stenographer, from the very nature of his occupation, having become familiar with all the principles and methods of the business in which he is engaged, steps into the highest and best paid departments.

Our Stenographic Department has one of the most complete and thoroughly practical courses to be found in any school in the United States.

It seems that many Shorthand Schools are striving to see how short and easy they can make the course. The ability to write 100 words a minute in shorthand and operate a typewriter is not all that is required. In order to secure the best positions and command the highest wages, the stenographer should have a thorough knowledge of spelling, penmanship, English, letter writting, manifolding, letter-press work, mimeographing, filing letters, indexing, addressing envelopes, folding circulars,—in short, a drill in all the work of a general business office. An extra month or two spent in acquiring this practical knowledge is time and money well spent. Board, room and tuition are so low in Ada, that the complete course here costs less than the "Short Courses" advertised by many City Business Colleges.

The extensive correspondence of the University and of the College of Commerce is all dictated to the advanced students of this department. Arrangements have been made with several leading business men of this place to give their correspondence to the students of this department, as soon as they have acquired sufficient skill; hence each student has practical work in nearly every line of business, and the graduates are able to perform work in a general business office with more accuracy and dispatch than those who have had experience in one line only.

Course of Study

FIRST TERM.

Stenography, Typewriting, Spelling, Business English and Letter Writing.

SECOND TERM.

Stenography, Typewriting (including Manifolding and Letter Press Copying) Penmanship.

THIRD TERM.

Stenography (Office Practice), Typewriting, Mimeographing, Penmanship. Those completing this course of study are entitled to the degree of Bachelor of Stenography.

Systems

To the beginner the Graham System is recommended, but the Department is prepared to teach any of the leading systems—Pitman, Munson, Dement, Eclectic. Those who have progressed in any one of these systems before entering here are not asked to change from the system of their choice. A thorough acquaintance with these systems has convinced the head of the Department that the Graham is the most practical for all purposes.

It requires from five to eight months to complete the course. The College does not throw out the bait of a "short and easy" system. "Take a Complete and Practical Course in Shorthand, or let it alone."

Those who graduate from this department are required to have a grade in Penmanship.

TYPEWRITING DEPARTMENT

This is one of the most popular departments of the University. Here the student is trained in Letter-writing, Copying, Manifolding Letter Press Work, Form, Punctuation, Paragraphing, Capitalization, Filing and Indexing Letters, Mimeographing, and all the work of a general business office. Most of our typewriters consist of the latest models of the Remington.

PENMANSHIP DEPARTMENT

Every merchant or tradesman in search of a bookkeeper, stenographer or clerk asks for a specimen of his hand-writing. Often the applicant fails because he cannot write a good, legible hand with speed and accuracy. The person who writes well secures the position in preference to all others, and receives the highest wages.

That the results obtained in penmanship in our public schools are not what they should be is evident from an inspection of the writing of the graduating classes of our high schools and from the oft-repeated remark of merchants that when boys and girls come from the public schools to the counting room, their hand writing is impracticable and soon undergoes an entire change. The fault lies with the copy-book

system of teaching penmanship and in the inefficient instruction given by the average public school teacher. They must be able to teach a free, easy movement instead of the cramped finger movement. Any one who has sufficient ability to teach other branches successfully can teach writing by becoming thoroughly acquainted with its principles and insisting on a strict adherence to them.

In his instruction the head of this department aims to combine theory and practice, but the student is made to understand that the art is acquired through practice. Skill in penmanship does not depend so much on the correctness of letters as the movement with which they are written. Unless the movement be free, bold and untiring, penmanship loses it beauty and value. In this department care is taken to develop skill in a free, easy and rapid movement, giving zest and pleasure to an otherwise laborious task.

EXPENSES

Tuition

For one term (10 weeks), in advance	$10.00
For two terms, in advance	19.00
For three terms, in advance	28.00
For four terms, in advance	37.00
For five terms, in advance	45.00

All students in the College of Commerce are admitted to the regular classes in the College of Liberal Arts without extra charge.

Penmanship

Business Penmanship, per term	$2.75
Ornamental Penmanship, per term	3.25
Plain Penmanship, per term	2.50

In the Commercial Course the graduation fee is $2.00.

Neatly executed diplomas are awarded to those who complete any regular course of study. Those preferring real parchment pay one dollar extra.

Room and Board

Good board in private families, $1.65 to $2.50 a week.

Furnished room, two in a room, per week, 50 cents to 75 cents each.

Light and fuel, per week, 5 cents to 30 cents.

Laundry, per week, 15 cents to 25 cents.

Term Plan

Thirty-four dollars in advance pays for tuition, board and furnished room for ten weeks. The term plan may begin at any time.

Refunding

In cases of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks When the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor. At any future time he may re-enter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

Any one taking the Term Plan may at any time change to the ordinary rates, by paying full rates for the time in attendance. The balance of his board will be refunded; but room rent is not refunded until the room is re-rented.

COLLEGE OF LAW

FACULTY

H. S. Lehr, A. M., Ph. D.,
President Emeritus.

Albert Edwin Smith, D. D., Ph. D.,
President.

S. P. Axline, A. M., LL. D.,
Dean.
Pleading, Contracts, Real Property, Corporations, Etc.

F. B. Willis, A. M., LL. B.,
Constitutional Law, Equity, Wills, Suretyship, Etc.

Charles H. Freeman, B. Sc.,
Rhetoric.

W. W. Newcomer, A. M.,
Voice and Forensic Oratory.

Emma O. Hufford,
Auditor and Registrar.

COLLEGE OF LAW

The College of Law was established by the Trustees of the Ohio Northern University as a Department of the University, with H. S. Lehr, President and J. Ross Lee, Dean, in the year 1885. Its alumni now engaged in the practice of the law are to be found in nearly every state and territory in the United States and in every city of Ohio. The present Dean has been at the head of the College of Law since 1888.

Its Object

The aim of the founders of the College of Law was to afford an opportunity for young men of the country, of limited means, to secure the benefit of collegiate training in pursuing this line of study. It was made a department of the Ohio Northern University that law students might have all advantages of low rates for boarding, rooming, and other general expenses, afforded by the University. On payment of the regular law tuition, one can pursue in connection with the law any literary work he may need or that may be required by the State in which he wishes to practice after his admission into the legal profession.

Admission

Students may enter the College of Law at any time but preferably at the beginning of a school term. Any one holding a diploma from a reputable college, academy or high school is admitted without examination; all others are required to furnish satisfactory evidence of a sufficient knowledge of the common branches to begin the study of law and to pursue it profitably. Examinations for this purpose are given when deemed necessary by the Law Faculty.

Credit

Credit is given for work done at any accredited law college or in the office of an attorney, when properly certified, or an examination is given and the student graded according to merit where he can show evidence of study but cannot produce proper certificate of the work accomplished.

Length of Course

The Course occupies three school years; the school year of 1909-10 beginning August 31, 1909, and continuing four terms of ten weeks each, ending about the first week in June. On the Tuesday following the close of the regular school year, a special term begins and continues for nine weeks. A student pursuing the regular course may make up during this special term any work which he has not completed in the regular year's work, or this term may be substituted for one of the other terms in the year's work when it is convenient for the student to make the substitution.

Preliminary Work

The preliminary literary work required for admission to the Bar examination may be taken in the University under the regular law tuition, and a diploma showing the completion of the Scientific, Literature or Classical course admits the student to the Bar examination in this State.

Degrees

The degree of Bachelor of Laws is conferred on students who have completed the prescribed course of study and possess the preliminary qualifications necessary to admit them to the Bar examination of this State, and have complied with the following requirements:

1. Regular attendance for three years in the Law College of the Ohio Northern University.

2. Students bringing credits for one year's study of law either in a college or law school of good standing or in an office of an attorney, the work being properly certified, may obtain a degree in two years.

3. Students having completed two years of study in a law school of good standing or in the office of an attorney, the work being properly certified, may obtain a degree in one year.

4. Students who have not completed the full year's work in an office or at a law college may complete this work during special terms by having the work which has been completed in the office or the law college properly certified.

5. Where for any reasons certificates can not be obtained, examinations will be given by the Dean and the student graded from that examination.

Recitations

Each student attends from three to four recitations daily, in which he goes over prescribed lessons. These recitations are conducted principally on the quiz method, the best for individual instruction and help, but the lecture and case methods of giving instruction are combined with the quiz method in the class-room work. During the year the student is required to familiarize himself with the principles involved in leading cases on the various subjects, these cases being carefully selected by the instructor.

Library Facilities

There is a good law library connected with the University, to which all law students have access from 8 o'clock A. M. until 5 o'clock P. M., except during the noon hour. Students are not allowed to take any books from the Library, however, except on a written order from the Dean.

Books Rented

Arrangements have been made with one of our regular booksellers by which the student may rent most of the text books used in the course at reasonable rates. Those not desiring to rent may purchase books at wholesale rates.

COURSE OF STUDY

Junior Year

Blackstone's Commentaries.....Cooley	Code Pleading.....Phillips
Elementary Law.....Fishback	Private Corporations.....Elliott
†Contracts.....,Clark	Torts.....Cooley
Personal Property.....Smith	†Domestic Relations.....Tiffany
†Commercial Paper.....Tiedeman	Quiz.....
Real Property.....,Warvelle	Practice in Pleading and Procedure
Sales.....Tiffany	Lectures and Reviews.....

Middle Year

†Evidence.....Greenleaf	Real Property.....Hopkins
Agency.....Mechem	Civil Procedure.....Fitnam
Common Law Pleadings.....Shipman	Swan's Treatise.....
Bailments.....Schouler	Quiz.....
Commercial Paper.....Tiedeman	Advanced Moot Court Work.....
Partnership.....George	Practice in Pleadings and Procedure
†Equity.....Bispham	Lectures and Reviews.....

Senior Year

†Constitutional Law.....Black	Contracts.....Clark
Legal Ethics.....Sharswood	Code Pleading.....Bliss
Real Property.....Tiedeman	Quiz--General Review Work.....
Equity.....Bispham	Advanced Moot Court Trials.....
Evidence.....Bradner	Lectures on Conveyance and Abstracting.....
Private Corporations.....Taylor	Review of Digest and Statutory Law.
Wills and Administrations of Estates.....Whittaker	

†May be applied on courses in College of Liberal Arts.

The text books in the subjects mentioned above are subject to change from time to time, at the discretion of the Dean and Faculty.

Special Work

Classes preparing especially for Examination are formed at the beginning of the special summer term, the fall term, the middle term, and the spring term. The work in these classes consists of a review of the most difficult text-books, digests of Ohio and other States, leading cases involving the general principles of the law on various subjects, statutory law, and special work prepared by the instructors, carefully taking up the leading topics in the law on which the student is to be examined.

Moot Courts

For the purpose of putting into practice what is acquired, Moot Courts are held each Friday afternoon, in which the student has actual practice of the various courts. He is required to get out all the papers necessary for the case, and to follow strictly every order of precedure. Pleadings, writs, motions, and journal entries, together with the principles of proceeding in appeal and error form a part of the work of the student in these courts, and every detail is looked after by the judge who sits in the case. Juries are chosen, witnesses are examined, motions made and heard, and everything is made to conform as

nearly as possible to the practice of the regular courts. The practice acquired during the course is much greater and more advantageous to the student than the actual work of the first few years of practice. Here his work is looked after and corrected, and he has the advantage of knowing when the work is properly done without the responsibility that attaches to it in the court room.

Annual Enrollment

The average annual enrollment in the Law College of the Ohio Northern University for the past ten years has been one hundred and forty different students.

The efficiency of the work done is seen in the success of the students in the Bar examination and in the actual practice of the profession.

Alumni Association

The Alumni of the College of Law have formed an Association and will hold the Alumni Reunion and Banquet on Wednesday evening of the week of the commencement, military contest, society reunions and general alumni reunion of the University.

Advantages Offered

1. The College of Law is part of a University enrolling more than two thousand students annually.

2. Three literary societies connected with the University admit the law student on equal terms with the literary student, and afford every advantage in the way of forensic speaking and debate, not in the presence of a few persons only, but before the hundreds of students who assemble in the three Society Halls on Saturday evening of each week.

3. There have been organized a number of special Debating Clubs which meet once a week, where the student has opportunities of forensic speaking and debating in addition to that afforded by the regular literary societies.

4. The course is much less expensive than elsewhere, boarding, rooming and tuition falling much below the prices offered at the law colleges of the cities.

5. The student may enter at any time, but classes are arranged to suit his degree of advancement.

6. All recitations are held at stated hours under the direct supervision of one of the regular instructors, and the student gets from fifteen to twenty hours of recitation each week.

7. Students may take any literary work in connection with the law without having to pay extra tuition.

8. It is of primary importance in preparing for the legal profession that the student be thoroughly grounded in the great principles of the law. Without a full knowledge of these principles his career as a lawyer will be limited, unsatisfactory and unprofitable. Before he can begin the career of the lawyer however, he must be admitted to the Bar. The College of Law undertakes not only to inculcate the great principles of the law, but also to aid the student in an especial manner in his preparations for the Bar Examination. The student, not left to his own devices in his review work preparatory to the Examination, for the last six months of his course, is under the special personal instruction of the Dean, who gives a thorough review of all the branches included in the Bar Examination. Dean Axline has made this line of work a speciality for eighteen years and his success is best known by the fact that practically all who have done their work under his instruction have passed the Bar Examination and have become successful in the practice of the law.

EXPENSES

Tuition

The tuition for the College of Law is $12 for a term of 10 weeks, $23 for 20 weeks, $34 for 30 weeks, $45 for 40 weeks, or $55 for a year of 47 weeks, if paid in advance.

Room and Board

Good board in private families, $1.65 to $2.50 a week.

Furnished room, two in a room, per week, 50 cents to 75 cents each.

Light and fuel, per week, 5 cents to 30 cents.

Laundry, per week, from 15 cents to 25 cents.

Self-boarding reduces these expenses somewhat.

For general catalogue, address

CHAS. B. WRIGHT, Cor. Sec'y.

For special information concerning The College of Law address

S. P. AXLINE, Dean.

COLLEGE OF PHARMACY

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

D. C. MOHLER, PHARM. C., PHARM. L.,
Dean.
Pharmacy, Materia, Medica, Toxicology.

LENIX C. SLEESMAN, PHARM. G., PHARM. C.,
Director of Laboratories.
Advanced Chemistry.

JESSE BEER, B. SC.,
Physics, Elementary Chemistry.

GROVER C. KREGLOW, M. S., A. B.,
Microscopy, Physiology, Botany.

F. L. BERGER,
Assistant in Physics and Chemistry.

EMMA O. HUFFORD,
Registrar.

OHIO BOARD OF PHARMACY

Requirements for Admission to Schools and Colleges of Pharmacy

Resolved, That on and after July 1, 1905, no school or college of pharmacy shall be recognized as in good standing by the Ohio Board of Pharmacy which does not require of all applicants as a minimum condition of admission, a common school education or the equivalent thereof, which shall include one year in high school of the first grade (Ohio), or an academy, legally constituted, providing a course of study of not less than four years.

Provided, That nothing in this resolution shall apply to students who have matriculatd previous to November 1, 1904, in any school or college of pharmacy heretofore recognized as in good standing by the Ohio Board of Pharmacy.

Requirements Demanded of Schools and Colleges of Pharmacy

Resolved, That on and after July 1, 1905, every school or college of pharmacy shall comply with the following requirements as a condition of being recognized as in good standing by the Ohio Board of Pharmacy.

1. It shall exact the requirements for admission to schools and colleges of pharmacy adopted by the Ohio Board or Pharmacy (October 13, 1904.

2. It shall possess an adequate equipment for teaching pharmacy in all its branches, including laboratory facilities and apparatus.

3. It shall have an adequate and competent faculty for instruction in the following branches; Pharmacy, Chemistry, Materia Medica, Microscopy, Physiology and Botany.

4. It shall require an attendance of 80 per cent upon two graded courses of instruction in branches specified (in Article 3), of not less than 26 weeks each, excluding holidays, in two separate years.

5. It shall exact an average grade of 75 per cent. on examination as a condition of graduation.

6. It shall admit students within thirty days after the opening of any school year, and it shall confer degrees in pharmacy only at the close of each school year upon the completion of the prescribed course of study.

7. Any college may honor official credentials issued by other colleges of pharmacy in good standing as determined by this board, so far as the work offered is the equivalent of or identical with the required work of the school to which credentials are presented, except in branches of study embraced in the last year of its own curriculum.

When to Enter

The year is divided into two semesters, the first beginning October 5, 1909, the second March 8, 1910, with Christmas recess from December 23 to January 3d. Students may enter at the beginning of either semester, but, by the requirements quoted above, no one is allowed to take up the senior work until twenty-six weeks have elapsed since his finishing the Junior Course. Entrance examinations are held on the Monday preceding each semester.

Why Attend the O. N. U. College of Pharmacy

The majority of those seeking a school of pharmacy are after a school where practical and thorough course is offered at the least expenditure of time and money. Attention is respectfully called to the following page descriptive of the facilities and work offered in the O. N. U. College of Pharmacy, and a comparison with other pharmacy schools challenged. It is believed that no where else are more complete courses offered, is more thorough work done, or is the needful expenditure of hard-earned money less than here.

THE JUNIOR YEAR

Practical Pharmacy

The College has two Pharmaceutical and Dispensing Laboratories complete in every detail. The desk arrangement is such as afford the student every facility for complete and thorough work. Each table is supplied with an entire outfit of apparatus (with storing closet), and each student receives full instruction in the manufacture of Waters, Spirits, Tinctures, Liquors, Extracts, Fluid Extracts, Abstracts, Infusions, Decoctions, Oleates, Ointments, Cerates, Plasters, Papers, Suppositories, Emulsions, Collodions, Elixirs, Mucilages, Official Salts, and the more important unofficial preparations. The work embodies all the processes of Weighing, Measuring, Ignition, Calcination, Torrefaction, Incineration, Sublimation, Evaporation, Distillation, Desiccation, Granulation, Crystalization, Precipitation, Dialysis, Filtration, Clarification, Decoloration, Extraction, Percolation, etc.

The outfit was supplied by the celebrated firm of Whitehall, Tatam & Co., of Philadelphia, and E. B. Benjamin & Co., of New York, and consists of Remington Stills, Retorts, Funnels, Adapters, Graduates, Motors, Spatulas, Pill Tiles, Beakers, Evaporating Dishes, Desiccators, Mixing Jars, Pipettes, Burettes, Balances, Metric Weights, and Measures, Specific Gravity Apparatus, Thermometers, Urinometers, Alcoholometer, Lactometer, and all other necessary apparatus for intelligent work.

Chemistry—Junior Course

The laboratory for practical chemical work is also fully equipped with all the accessories necessary in obtaining a thorough knowledge of chemical analysis and synthesis. In this laboratory, open at all hours, the student is required to perform a satisfactory amount of analytical and synthetical work under the personal attention of the Professor of chemistry and an able assistant. A graded course is pursued, and the instruction given is carefully adapted to the proficiency of the student.

The work is divided into two parts, commencing with the most simple reaction between the inorganic bases and acids, gradually advancing to the more complex reactions of the inorganic bodies, and carbon compounds.

The greatest care is taken to inculcate a thorough and comprehensive knowledge of characteristic chemical reactions, thus enabling students the more readily to determine the purity of their drugs and chemicals.

Botany and Materia Medica

The first part of this work is devoted to the study of Elementary Botany. It includes the various organs of plants, as roots, rhizomes, stems, leaves, barks, flowers, cells, etc. This is followed by the study of Materia Medica, in which special attention is given to the classification of the vegetable and animal drugs, the specific names, properties, uses, doses, chief constituents, and methods of isolating them; sinergists, incompatibles and adulterations.

Pharmaceutical Arithmetic

A training class is organized for special drill in balancing chemical equations and practice in pharmaceutical arithmetic. To this and also to any class in the College of Liberal Arts, pharmacy students are admitted without extra charge.

Textbooks

Students may use either Remington's or Casperi's Pharmacy; Remsen's ,Bartley's, Schimpf's or Muter's Chemistry; Sayres', Culbreth's or Wilcox's Materia Medica; Bastins', Wood's and Gray's Botanies; Sturmer's Pharmaceutical Arithmatic. Reference Books (to be found in college library)—U. S. Pharmacopoeia, U. S. Dispensatory, National Dispensatory, American Standard Medical Dictionary.

Pharmaceutical Association

Connected with the college is a Pharmaceutical Association, to membership in which each regularly enrolled student is eligible. The membership fee is one dollar, with no dues to be paid afterwards. The fee is applied to the building up of Pharmacy Library, and the members of the Association, as long as they remain in the school, have library privileges and free access to all the best and latest Pharmaceutical journals and periodicals.

SENIOR YEAR

Senior Course

In this part of the work the student is required to make up extemporaneous pharmaceutical preparations, as is done in all first-class drug stores, and fill bona fide physician's prescriptions from them. He is also required to test them for purity and strength, in compliance with the U. S. P.(eighth revision). This work is a very important factor in developing tact, skill and ability.

Chemistry—Senior Course

The work in Chemistry in the Senior course consists of a thorough study of the problems, embracing every form of chemical mathematics. Particular attention is given to volumetric and gravimetric methods of analysis. In view of the requirements of the Pure Food and Drug Law recently having gone into effect, special instruction is given in the analysis of foods. By combining lectures with thorough laboratory drill, the instructors assure the graduates a comprehensive knowledge of analytical methods—a point of superiority in this College.

Microscopy

A practical course in Microscopy is offered to Senior students. Not only is explanation given regarding the mechanism of the in-

strument, and direction in operating and caring for it, but also instruction and practice in the processes of preparing, staining mounting and preserving specimens. Plants and drugs are studied under the microscope, to train the student in detecting and identifying adulterations. Recently several first-class microscopes of high power have been added to the equipment.

Human Physiology

Ten weeks of five class periods each are devoted to the course in physiology, which embraces especially a study of the organs of respiration, digestion, circulation, the nervous system, the assimilation of food, and the physiological and therapeutical effects of drugs upon these organs.

Materia Medica, Therapeutics and Toxicology

Throughout the Senior year, there is a study of official and unofficial drugs, their constituents, official preparation, therapeutic effects, toxic properties and antidotes, closing with a discussion of Toxicology and Incompatibilities.

Textbooks

The textbooks for this course are the same as those mentioned for the Junior Course, and, in addition, Coblentz's or Muter's Volumetric Analysis and Assaying, Martin's Human Body.

Reference Books (to be found in College Library)—U. S. Pharmacopeia (eighth revision), U. S. Dispensatory, National Dispensatory, Sutton's and Fresenius' Volumetric Analysis.

Equipment

The laboratory equipment for advanced course has recently been increased by the addition of a complete outfit and Gold and Silver Assaying and other metallurgical work. The apparatus includes a Bosworth Ore Crusher, Weatherhead Mortar, Hoskin's Crucible and Muffle Furnace, Tongs, Crucibles, Scorifiers, Roasting Dishes, Cupels, Plantinum Ware and other necessary applicanes, supplied by the firm of E. H. Sargent & Co., of Chicago. The Pulp and Assay Balances were made by special order for the laboratory by the manufacturers, Messrs. Voland & Von Zelm, and are of the best and most delicate construction. The equipment is of the very best in every particular and the student will find the work most practical.

SYNOPSIS OF COURSES

Junior Year

Practices of Pharmacy, Elementary Chemistry, Botany, Materia Medica, Chemical and Pharmaceutical Laboratory Practice, Chemcal Equations, Pharmaceutical Arithmetic.

Senior Year

Study of Organic Pharmacals, Pharmacal Chemistry, Materia Medica, Physiology, Microscopy, Pharmacal Laboratory, Magistral Pharmacy, Organic Chemistry with Volumetric and Gravimetric Analysis, Prescription Writing and Compounding, Urinary Analysis, Milk and Food Analysis.

Requirements for Graduation

Each student is required to pass, with satisfactory grades, an examination at the end of each quarter's work, and the final examination upon the entire course. There will be no deviation from this rule.

Seniors are not permitted to leave before the final examinations are concluded, under any circumstances.

The degree conferred is that of Pharmaceutical Graduate (Pharm. G.).

Special Courses

Students wishing to pursue an extended course for three years, for the degree of Pharmaceutical Chemist (Pharm. C.), first complete the course for the degree of Pharm. G., after which the work is extended. Students who have graduated from schools requiring an equal amount of laboratory work are admitted to the second year on presentation of proper credentials. Much of the work is elective, and is divided into courses of six months each.

To obtain the degree of Pharm. D. (Pharmaceutical Doctor), the candidate must be twenty-one years of age, must hold a standard High School diploma, and must have had four years of practical experience in a store where prescriptions are filled; must be a graduate of this College of Pharmacy, and must take an additional course, specializing on formulae and assaying of crude drugs. The work requires about thirty weeks for its completion.

EXPENSES

Matriculation	No fee
Tuition for 26 weeks	$40.00
Deposit fee in Pharm. Laboratory	10.00
Chemical Laboratory fee, per semester	10.00
Laboratory fee in Microscopy	2.00
Diploma	5.00
Drugs	Free
Final Examination	Free

Students are required to replace all broken or damaged apparatus.

Room and Board

Good board in private families costs from $1.65 to $2.50 a week.

Furnished rooms, two in a room, 50 cents to 75 cents a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boarding reduces these expenses somewhat.

Advantages

At least one thousand hours of practical laboratory work is required in the course.

Superior advantages are offered to registered "Assistants" who wish to review for examination as "Pharmacists".

In the reading room all the leading journals in Pharmacy may be found, and in the library hall all the books needed for reference.

The courses are so arranged as to bring each student into recitations and laboratory work each school day except Saturday ,and not twice a week, as in nearly all other schools.

A special course has been arranged for a summer review.

The Dean will be glad to give further information to anyone so desiring. Address D. C. Mohler, Dean,
Ada, Ohio.

COLLEGE OF MUSIC

VOICE

PIANOFORTE

PIPE ORGAN

STRINGED INSTRUMENTS

HARMONY

PUBLIC SCHOOL MUSIC

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

CHARLES SANKEY WENGERD.
Dean.

CHARLES S. WENGERD,
Voice, Harmony, Counterpoint, Canon.
Theory, History of Music, Oratorio, Grand Opera.

MAY ALCOTT LANCE, MUS. B.,
Piano and Organ.

FRED G. CHARLES,
Band Instruments.

....
Public School Music.

W. W. NEWCOMER, A. M.,
Dramatic Art.

WILLIAM GROTH, A. B.
German, French, Italian.

Announcement

As Dean of the College of Music for the year 1909-10, the Board of Trustees have elected Mr. Charles S. Wengerd, whose recommendation is an unbroken successful career as vocalist and voice builder, eminent ability as a chorus conductor and prominence as an organizer of musical interests in general.

His education has been broad and liberal. He has studied extensively in this country and abroad, where he spent a year with the distinguished baritone, Alexander Heinemann, of Berlin, Germany, as one of his artist pupils.

His musical experience has been greatly enriched by much travel in this country and abroad, and frequent visits to the great centers of musical activities and to studios of eminent teachers.

The College

This school is established for the purpose of affording superior advantages in pursuing the study of music seriously.

The affinity existing between literature and the arts naturally suggests the University where the two may by studied together. This College of Music is therefore splendidly located in the midst of the university life of the O. N. U. Its surroundings are those of the college community, where there is no lack of concentrated interest and enthusiasm, the College of Music being the center of all musical interests. The systematic lessons, the regular practice and the animated and artistic atmosphere are conducive to the best possible work and corresponding achievements. Loyalty to one's calling begets enthusiasm; enthusiasm begets work and earnestness and work beget great results. These things constantly are instilled into those who become students of the O. N. U.

The general plan of the school is that of the best conservatories in this country and elsewhere. Its aim is broad, sound and intelligent musicianship from the very foundation of a musical education. The courses are so planned as to secure the symmetrical development of the musical faculties, which is essential to the true musician, whether teacher or virtuoso.

With her splendid teaching force, good equipment and congenial surroundings, the O. N. U. College of Music stands on the threshold of enlarged opportunities and a still more successful career.

Graduation Requirements

To complete the entire course of Voice, Piano, Violin or Organ will require at least four years under ordinary circumstances, the time, however, depending largely on the natural talent and degree of proficiency of the student at the time of entrance. The following shows what is required for graduation in each subject:

Voice—Private voice lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Ensemble Singing, Sight Singing and Graduating Recital. Enough Piano must be had to enable the student to play his own accompaniments.

Piano—Private Piano lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Ensemble Playing, Graduating Recital.

Violin—Private lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Ensemble Playing, Graduating Recital.

Organ—Private lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Graduating Recital.

Public School Music—Besides the prescribed course, 5 terms of Harmony, 3 terms of Musical History and Theory and at least one year of private voice lessons.

No student will be graduated unless he has spent at least one year in this institution.

A Post Graduate course is offered, which requires one year more of work in any of the courses mentioned above. The degree "Bachelor of Music" is granted to those completing this course. The candidate must have completed a first class High School course, or its equivalent.

Equipment

A fine new Pipe Organ has recently been placed in the chapel, and new pianos have been purchased to replace the old ones. It is expected by the opening of the year to House the College of Music in a commodious building near the campus. Here will be the studios and practice rooms.

Voice Culture

This department offers a broad, comprehensive course, and one that tends to develop the voice free from all forcing. To this end great care is first given to the proper condition of breathing and its control in singing. All artificial aud mechanical devices are strongly condemned, as only tending to confuse and hinder the student and to harm the voice. Great care is given to a clear, easy emission of tone and the placement of the voice, since herein lies the ruining or making of a voice. The method that forces the voice will never make one. The complete relaxation of all the muscles of the throat, chin, tongue and face by natural means is absolutely necessary to produce a tone of beauty and brilliancy. This can only be done by a complete, concentrated, vitalized muscular action within the body below the chest. This also embraces the absolute control of the breath from the diaphragm.

The modernized idea of the old Italian method of singing is used as a foundation of instruction. Special breathing exercises,

exercises for placing the voice and bridging over the registers, and exercises for agility and flexibility are given. Sieber's Sight Measure studies are used at first, then follow studies selected from the large field of Vocalizes that are especially suited to each individual student. Finally, the Masterpieces of Vocalization are used and completed. Songs are given as soon as the individual voice will permit, at which time great care is given to articulation and enunciation, especially of the English language To be a singer and not to be able to sing English and be understood is not singing in the truest and most artistic manner. Songs are selected from the great field of ancient and modern song writers. In the most advanced work selections are given from the best oratorios and operas.

Pianoforte

"Pianoforte music furnishes the standard by which all instrumental music is measured." The O. N. U. College of Music offers a very extensive and complete course. The length of time required to finish any of the instrumental courses depends on the kind of work done by the pupil before entering the College and on his diligence, tact and health.

First Grade—Technical Studies; Kohler's Studies Op. 151; Gurlitt's Op. 38, Books 1 and 2; Burgmuller, Spindler, Course, with appropriate pieces.

Second Grade—Duvernoy Op. 127; Loeshorn's Op. 65 and 66, Books 1 and 2; Burgmuller, Spindler, Heller, Kuhlau, Clementi and others with appropriate pieces.

Third Grade—Czerney; Henselt's Preparatory Octave Studies; Bertini; Studies for left hand by Heller; Bach's 2 and 3 Part Inventions; Mendelssohn's Songs Without Words; composition by Reinecke, Schumann, Mozart, Chopin and others.

Fourth Grade—Kuhlau's Octave Studies; Cramer; Henselt's Op. 32; Gradus ad Parnassum; Clement; Chopin's and Field's Nocturnes; Mozart's and Beethoven's Sonatas; compositions by Mendelssohn, Gade, Moszkowski, Tischaikowski.

Fifth Grade—Gradus ad Parnassum; Chopin's Etudes, Op. 10 and 25; Kuhlau's Octave Studies; Moscheles' Op. 70; Bach's Well Tempered Clavichord; Concertos by Mendelssohn, Beethoven, Rubenstein; Sonatas of Beethoven; pieces by Henselt, Saint Sæns, Tausig, Rameau and others.

Violin

To students of the Violin, the king of stringed instruments, there is offered a very complete and systematic course of instruction.

First Grade—Dancla's or David's School for Violin, Book 1; Keyser's Op. 20; Book 1; Hoffman's Elementary Studies; Gustave Hill's Album for the young; select pieces from Dancla, Schmitt and others.

Second Grade—Keyser's Op. 20, Books 2 and 3; Alard's Ten Brilliant Studies Op. 16; Mazas' Etudes Speciales; Jacob Dont's Op. 38; Schubert's Sonatinas; Selected pieces.

Third Grade—Kreutzer's Etudes. Rode's 24 Caprices, Florilla's 36 Etudes, Viotti's Concertos and others.

Fourth Grade—Campagnoni's The Seven Positions, Alard's 10 Artistic Etudes Op. 19, Sevcik's School of Double Stops and Changing Position, Beethoven's Romanzem, selected pieces.

Fifth Grade—Dancla's Etudes D'Artists, Wienawski' Etude Caprices, Bach's six solos for violin alone, Vieuxtems, Sarasate, Mendelssohn and others.

The Pipe Organ

First Year—Stainer's Organ Primer; first 24 Studies for the Organ; George E. Whiting's Books 1 and 2; Pedal Studies; Schneider's Book 1, 10 tunes; Rheinberger Op. 49, Books 1 and 2, Hymns Ancient and Modern.

Second Year—Whiting's Book 1, twenty preludes and postludes, Buck's Studies in Pedal Phrasing; Truett's Etude Album for the Organ; choir accompaniment, the easier selections from Buck's collection and others.

Third Year—Buck's Organ School Book 5; Lemmen's Organ School Book 2; Bach's Preludes and Fugues; concert pieces by Guilmant, Baptiste, Whiting, Dubois and others.

Harmony Course

A thorough knowledge of harmony, counterpoint, orchestration and musical form is a necessary part of the equipment of one claiming rank as a musician.

First Term—Definitions, intervals, scales, formation of triads, chord connections, the fundamental triads in major chords of the Seventh.

Second Term—Collateral chords of the Seventh and their resolution inversions, exercises with given Bass.

Third Term—Other Chords of the Seventh, application in major and minor keys, transposition, freer leading of the seventh, fourth eleventh and thirteenth cadences, exercises with given soprano.

Fourth Term—Chorals; harmonizing a given soprano, alto, tenor, bass; additional clefts.

Fifth Term—Additional exercises with given soprano, original exercises, playing modulations. Emery's Harmony is used as a text, with additional exercises.

Counterpoint

First Term—Counterpoint, first, second and third orders.

Second Term—Two and three part counterpoint, contrapunctional treatment of chorals.

Third Term—Double, triple, quadruple counterpoint, imitation, canon.

Musicial History

A complete study is made of music from the beginning. Early Christian Music. Polyphonic, Monophonic and the development of Instrumental Music. Opera. Oratorio and Orchestral Music. Biographies of the great musicians, past and present.

Public School Music

No field open to the music profession offers such opportunity for rapid advancement as the teaching of music in the public schools. To obtain the proper results in teaching the various grades of pupils, one must have a clear comprehension of each minute subject.

Special attention is given to the essential points, tonal quality rote singing, sounds of more than one beat, intervals, triads, two-part and three-part singing, how to write melodies, treatment, and care of young voices, music in high school, and how to present these subjects systematically and interestingly.

The instruction meets the difficulties arising in the every day experience of a supervisor. The College keeps in touch with superintendents, so as to learn of vacancies and to recommend her graduates as occasion may require. There have been more calls than could be supplied.

First Term—Work required in first and second grades: Rote singing care of the voice, musical sounds by imitation, first steps in notation.

Second Term—Work required in third, fourth and fifth grades: The major scale, two-part and three-part singing, intervals, signatures, triads.

Third Term—Work required in sixth, seventh and eighth grades: Four-part singing, boy altos, tenors, young basses, minor keys, modulation.

Fourth Term—Music in high school, conducting.

Ensemble Playing

This training is of high value, and pupils are strongly advised to enter the class for ensemble playing.

Ear Training

Students in Harmony are required to take up this necessary study and practice.

Post Graduate Course

A special course is offered for the first time to graduates, or advanced pupils of voice, piano, violin or pipe organ, consisting chiefly of acquiring a repertoire. The degree of Bachelor of Music is awarded to those satisfactorily completing this course, which requires one year.

Recitals

Students' Weekly Recitals, Public Term Recitals, Faculty Recitals.

Students' weekly recitals are held regularly, at which time all grades of pupils from all departments are given the opportunity and valuable experience of appearing before an audience. At the close of each term the more advanced students give a public recital to which the public is admitted.

At frequent intervals the College of Music Faculty give recitals, at which there is an explanation of the music performed, thus affording the student the opportunity of becoming more intimately acquainted with the best grade of music well performed.

The O. N. U. Choral Society

The O. N. U. Choral Society in which all vocal students with suitable voices are enrolled as members is a strong feature of the College of Music. Regular rehearsals are held each week. Its repertoire includes Oratorios, Masses, Cantatas, Operas and other standard works. The College of Music is prepared at all times to furnish soloists, duets and male, ladies' or mixed quartets for all public or private occasions.

Artists' Recitals

During the year, under the auspices of the Lecture Course and also of the College of Music, a series of fine musical entertainments is given, affording music students opportunity to hear a number of artists in vocal and instrumental roles. To the student the value of such recitals and concerts is inestimable.

Electives in Literary Courses

The following subjects may be applied on courses in the College of Liberal Arts: Harmony, 15 hours; History of Music, 10 hours; Theory of Music, 5 hours; Voice, Piano, Violin, or Pipe Organ, 15 hours each.

EXPENSES

Piano, Organ, Voice, Violin, Cornet, or any other instrument, term of ten weeks, two lessons a week	$12.00
One lesson a week	6.50
Harmony, per term	6.00
Public School Music, per term	6.00

History of Music, in class 3.00
Theory of Music, in class 3.00
Use of Piano, one hour a day, per term 2.00
Use of Pipe Organ, one hour a day, per term 5.00
Tuition for Rudimental Music, per term 2.50
Piano Rent, one hour a day, per term 2.00
Clavier Rent, per term 1.00
Rent of motor for pumping Pipe Organ, per hour ..... .10

Graduation Fee

In the College of Music the graduation fee is $3.00. Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study, which includes harmony, history, theory, poetics, and either voice, piano, violin, or pipe organ. Those preferring real parchment will be charged one dollar extra.

Board and Room

Good board in private families $1.65 to $2.50 a week.

Furnished room, two in room, per week, 50 cents to 75 cents a week each.

Light and fuel, per week, 5 cents to 30 cents.
Laundry, per week, from 15 cents to 25 cents.
Self-boarding reduces these expenses somewhat.

Regulations

1. All tuition payable in advance.
2. Credit will be given for work done elsewhere, and the pupil will be allowed to enter the grade for which he is prepared.
3. No allowance is made for absence from lessons except in case of protracted illness.
4. Pupils who will not practice will not be retained.
5. Applicants must consult the Dean before registering.

Refunding

In cases of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. Where the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor, or the balance refunded at the option of the student. At any future time he may reenter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

NORTHWESTERN OHIO SCHOOL OF PIANO TUNING

D. O. Betz, Director. C. G. Carter, F. M. Pool } Ass't Instructors.

(Through mutual arrangement, the Northwestern Ohio School of Piano Tuning is given space in this bulletin, although the School is not organically connected with the University).

The School of Tuning is located in a 17-room building, with studios and workshop, each fitted up with pianos, organs, working models of leading piano actions, necessary tools, and a technical library on the subject of tuning.

The Field

Owing to the popularity of the pianoforte, our homes and public institutions are becoming supplied with that type of instrument at the rate of 275,000 a year. Several million previously existed. All require periodical tuning and adjusting, and the field is necessarily immense.

Remuneration

Charges for professional piano tuning range from two to five dollars, or about a dollar per hour. Adjusting and repairing are additional.

Who can Learn?

Men and women of perfect hearing and of a slight mechanical turn, may, with proper effort on their part, become good tuners. Knowledge of music is slightly preferable, tho not necessary.

Length of Course

With the remarkable "concentration" system of this school, the student covers the course in from five to seven weeks and does it well.

Tuition

Tuition for complete course in Piano Tuning is $100, and students should come prepared to invest from $25 to $40 in a kit of good tools. Room and board extra.

When and How to Enroll

Enrollment may be made at any time by addressing the Director, who will forward enrollment blank, which should be carefully filled out and again returned. From this, eligibility to entrance will be determined, and advice forwarded by return mail.

May be Studied with Other Courses

When student so desires, time will be drawn out to admit other studies. In such case, intentions should be signified on application blank.

Special catalogue sent on request.

Address, D. O. Betz, Ada, Ohio.

NEWCOMER'S
SCHOOL OF EXPRESSION

FACULTY

ALBERT EDWIN SMITH, D. D., PH. D.,
President.

W. W. NEWCOMER, A. M.,
Dean.
Expression, Oratory, Voice, Bible Reading.
Impersonation, and Character Study, Methods of Teaching.

ALBERT A. CRECELIUS, B. LIT.,
Voice, Dramatic Art, Expression, Shakespeare.

JENNIE BOWMAN.
Specialist in Physical Training, Expression, Juvenile Training.

CHARLES H. FREEMAN, B. LIT.,
Rhetoric and Literature.

WILLIAM FRANKLIN HUFFORD, A. M., M. PED.,
Logic, Psychology.

SAMUEL P. AXLINE, A. M., LL. D.,
Legal Ethics, Parliamentary Law, Sociology.

FRANK B. WILLIS, A. M., LL. B.,
Evidence.

EMMA O. HUFFORD,
Auditor and Registrar.

History

Newcomer's School of Expression was founded in 1900 at Ada, Ohio. In order to make it a permanent institution and, with the years, to increase its influence, on May 1, 1908, the founder entered into a contract with the trustees of the Ohio Northern University that on and after September 1, 1908, the School of Expression should be conducted under the management of the O. N. U., with Professor Newcomer in charge.

Aim

This school maintains that expression is the manifestation of individual character, a revelation of personality, and that mechanical "systems" and "rules" based on imitation fail to develop and reveal the powers of the individual. It therefore aims

to give to professional men and women and all others seeking instruction in expression such thorough training as will enable the individual soul easily and rightly to express itself.

Courses of Study

1. **General Culture Course:** This is the standard course of the school and is intended to meet the demands, not only of those who contemplate a professional career, but of all desirous of acquiring the ability of ready and pleasing utterance.

Each student is given one hundred and fifty class lessons and ten private lessons each term. Ordinarily forty weeks are needed for the completion of the course.

Outline of Course

Voice culture and development. Elements and principles of expression. Criticism and rendition. Dramatic art. Phyisical training. Impersonation. Shakespeare. Debating. Parliamentary Law. Construction, arrangement and delivery of original orations. Study and analysis of noted orations. Stage business and make up. Nature study, original problems, philosophy of expression.

Each student completing this course is required to have a repertoire of at least twenty-five productions averaging ten minutes in length.

2. **Professional Course:** This course is arranged for those contemplating a platform career. The instruction is adapted to the needs of the student's intended profession.

Candidates for graduation must have at least a first grade high school diploma or its equivalent.

Outline of Course

First Year: Same as General Culture Course.

Second Year: Advanced Voice Culture. Shakespeare study. Impersonation and character study. Cutting and arranging novels and plays for monologue representation. Staging and presentation of Shakespearean and other classic dramas. Original discussions Advanced criticism. Bible reading. Oratory and debate. Physical training including fencing. Stage business and makeup.

Each candidate for graduation is required to have at least forty approved productions and some monologue requiring from one hour to one hour and a half for presentation.

3. **Oratorical Course:** This course is arranged especially for those wishing to make public speaking a profession. It prepares the student for the lecture platform and the delivery of original productions.

A candidate for graduation must be a graduate of an approved college or university. Forty weeks are needed for the completion of the course.

Outline of Course

Instruction in voice culture, physical training and the general principles of expression as in the General Course. History of Oratory. Study of the great orations of the world. Debating and argumentation. Parliamentary law. Memorizing and delivery of select orations. Criticism. Original problems. Preparation and delivery of at least ten original orations. Preparation and delivery of at least one complete lecture.

Clergyman's Course: This course is essentially the same as the Oratorical Course except in the subject matter used. A special study is made of the great pulpit productions.

Outline of Course

In addition to the regular work required in all the courses the student must prepare and deliver at least ten sermons. Special attention given to the vocal and literary interpretation of the Bible. The Bible in worship. The art of the Master. The literary, narrative, didactic, oratoric, allegoric, lyric, dramatic and epic spirit. Rythmic actions of the mind. Driscrimination in thinking. Method of the imagination. Sympathetic identification. Selection and arrangement of the lesson. Harmony of the service.

5. Dramatic Course: This course meets the demands, not only of those contemplating a stage career, but of all interested in dramatic art in its truest and best sense. Two years are required for its completion.

The work is very practical, more so than that of the schools devoted exclusively to dramatic training. All plays rehearsed are presented before refined and cultured audiences here and elsewhere. Nothing but the best is given, and every play is carefully prepared before presentation. A number of Shakespearean productions are given each year.

Outline of Course

First Year: Training largely the same as in the General Culture Course.

Second Year: A special study of the drama psychologically and interpretively. A study of the master artists. The student is assigned the leading part in all plays given by the school. Training in all stage business.

Each graduate must pass a thorough and rigid examination and prove to the faculty in his public work that he possesses dramatic instinct in a sufficient degree to warrant his making the work a success.

6. Physical Training Course: This course offers an opportunity for study in every line of training given in the best schools. It may be taken into connection with the regular college work, and is really the gymnasium of the University.

The course includes correct breathing, poise, standing, walking, proper bearing, harmonic gymnastics, Swedish gymnastics, clubs, wands, dumb-bells, fancy drills and marches, fencing pantomime and gesture—training for the proper and harmonious development of the entire body, under the direction of teachers who are specialists in this line.

The attention of public school teachers is called to this course as especially suited to their needs and fitting them for greater usefulness in their schools and, incidentally, increasing their earning capacity.

1. Stammerer's and Speech Defects Course. The instruction in this course is usually private, yet much of the work can be taken in class. All kinds of speech defects are treated, and a cure is guaranteed in all cases that are curable. Where nothing can be done, the student is frankly told so. A cure for all kinds of speaker's sore throat is possible. In several instances men from this school have been put back in the pulpit and on the platform who had despaired of ever again doing public speaking. A speaker who knows how to use his voice may use it all day and experience no fatigue or throat trouble. The aim of the School is to build up a voice that is full, round, clear, resonant, deep, well modulated, sympathetic and, above all durable.

Auditoriums for Practice

Students are not required to practice in small rooms. Several large auditoriums, seating from three hundred to two thousand each, afford convenient rehearsal rooms, in which the students practice at regular hours.

Recitals and Contests

The College offers the students many opportunities of appearing before public audiences as Readers, Orators, Debaters, and public Speakers in general. Over five hundred programs are arranged every year in the University and town, to all of which the students are eligible. In addition, the students are expected to appear in frequent recitals given by the college.

A Lecture Course is supported by the Literary Societies of the University, giving the student an opportunity of hearing the most famous of the platform celebrities.

In Essays, Readings, Orations and Debates there are many contests awarding the winners valuable medals, cash prizes and scholarships. Among them are the contests of the Literary Societies, W. C. T. U., Intercollegiate, Lehr, Interstate, Philo Medals, Kuhn, Prohibition League—home, state, interstate and national.

Libraries

Students have access to five Libraries of the University containing thousands of volumes. The College library contains two hundred special reference books on every subject found in the six courses: between five and eight thousand Readings, Plays,

Drills, Monologues, etc., Modern Eloquence, 15 volumes; Library of Oratory, 15 volumes; Masterpieces of Eloquence, 25 volumes; compilations of Sermons, Lectures, Debates, Biographies, Statistics, and so on. Use of the Library is required in every study.

Degrees

Those completing the General Culture Course are entitled to the degree of Bachelor of Expression, those completing the Professional Course to Master of Expression, and those completing the Orator's and Clergyman's courses are given the degree of Bachelor of Oratory. Those completing the dramatic course are given a diploma, but no degree. Diploma and graduation fee, $5.00.

Attendance

Examinations are held every five weeks. No allowance is made for absence except where the student is excused. When a student misses a lesson, he is required to make up the work. One day's notice must be given in order to be excused from a private lesson.

Cost of Instruction

The tuition for a full year in any of the first five courses is $100, payable in advance, or pro rata by the term in advance. This tuition entitles each student to six hundred class lessons and forty private lessons and in whatever branches he may wish to take in the College of Liberal Arts. The tuition in the Physical Training course is from $20 to $40. The Stammerer's and Speech Defects course, from $25 to $50.

Special Rates of Tuition

In order to accommodate those students of the College of Liberal Arts and the special departments of the University who may wish to take work in the department of Expression in connection with their other courses, the following rates are made:

All students who are paying $10 or more tuition per term in the University are entitled to enter any class in the School of Expression on the payment of $5. This entitles them to fifty class lessons. Physical training classes, fifty lessons, $4 per term. Private lessons with Professor Newcomer $1 per hour; with assistant teachers $.75 per hour. All tuition payable at the office of the University in advance.

Credits

A certain amount of the work in the School of Expression may be applied on a degree in the College of Liberal Arts. For further information, see list of electives in College of Liberal Arts.

The O. N. U. Lyceum Bureau

The University furnishes talent for single numbers or for full courses. List of talent sent on application.

SCHOOL OF FINE ARTS

FACULTY

Akbert Edwin Smith, D. D., Ph. D.,
President.

Miss Ludinda Denny, M. F. A.,
Dean.
Drawing, Painting, Etc.

Emma O. Hufford,
Auditor and Registrar.

General Remarks

The educative effect of a study of the Fine Arts scarcely can be overestimated. It opens the eye to form and color as nothing else can; it trains the hand, refines the taste and cultivates an appreciation of the beautiful.

No part of a lady's education affords her greater ability to render her home beautiful and attractive than skill in the Fine Arts. It is an accomplishment that leaves its records behind it in the works that have been wrought out. Knowledge may be forgotten, music may be neglected, but the pictures, statue, or carving ceases not to proclaim the success of the student.

The O. N. U. School of Fine Arts is able to announce that, ample arrangements have been made for competent and thorough instruction in the fine arts. The Dean is an artist, a successful teacher of large experience and an enthusiast in this line of work.

Those wishing to graduate from the School of Fine Arts are required to pursue, and show proficiency in these branches: Free hand, Crayon, Perspective, Pencil, India Ink, Charcoal Drawing; Lettering; Painting in Landscape, Portrait, Fruit and Flowers in oil and water colors; Pyrography, or burnt wood; Sketching from nature; China Decoration.

Students satisfactorily completing the courses above mentioned are eligible to the degree of Bachelor of Fine Arts.

Drawing and Sketching

Skill in the Art of drawing and sketching is indispensible to success in primary teaching, and also greatly increases the efficiency of the teaching in natural history and physics. Indeed Drawing and Sketching, once thought mere accomplishments are now reconized as attainments of utility to every calling. Drawing occupies so prominent a place in the work of the public schools, that the call for competent teachers of drawing is noticeably increasing. The work in Drawing embraces Pencil, India Ink, Crayon, Charcoal and all Black and White Work.

Crayon

There is always a demand for crayon artists. The few materials, the ease and rapidity with which crayon work can be executed, and the comparatively short time required to learn it are considerations that lead many to prefer it to oil painting. This department is in charge of an accomplished artist.

Freehand and Perspective

Special attention is given to Freehand, Lettering, Perspective, Projection and Mechanical Drawing. Those studying Engineering, Physics and Mechanics are required to take a thorough course in drawing.

Painting

As a necessary accomplishment, painting, at the present day, holds an equal place with music. Then, too, within much less time and at considerable less expense, anyone of moderate ability can become a fairer painter than performer on the pianoforte.

The courses in painting include Landscape, Portrait, Fruits and Flowers in Oil and Water Colors.

China Painting, Decorating of all descriptions, and Pyrography are taught in the College.

Lessons in Oil and Water Color, from still life or copy, and also in Crayon and Pen and Ink, from still life or copy, are given, four two-hour lessons each week.

EXPENSES

Pencil Drawing, Crayon Drawing, Water Colors Oil Painting, India Ink, Mechanical and Industrial Drawing, special tuition per term $10.00
Freehand, per term 3.00

Graduation Fee

In the School of Fine Arts the graduation fee is $3.00. Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study. Those preferring real parchment are charged one dollar more.

Rooms and Boarding

Good board in private families, $1.65 to $2.50 a week.

Furnished room, two in a room, 50 cents to 75 cents each a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boarding reduces these expenses somewhat.

Refuding

In cases of protracted sickness of the student, tuition is refunded for the unexpired term, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. Where the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor, or the balance refunded at the option of the student. At any future time he may re-enter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

BATTALION DRILL AT CAMP SMITH

DEPARTMENT OF MILITARY INSTRUCTION

SCHOOL OF THE SOLDIER

SCHOOL OF THE COMPANY

SCHOOL OF THE BATTALION

ALBERT EDWIN SMITH, D. D., PH.D.,
President.

CAPT. F. P. HOLCOMB, 14TH U. S. CAVALRY,
Commandant.

Under act of Congress, approved April 21st, 1904, an officer of the regular army is detailed at this University. This detail is continuous, the officers being replaced every three or four years.

The arms and equipments, and the artillery, with the necessary appendages, are issued by the Ordnance Department of the United States Army. The arms now in use are the United States Magazine Rifle, Caliber 30, (commonly called the Krag-Jorgensen). These rifles, as well as all the other infantry equipment, are entirely new, having been received in March, 1908. The artillery is equipped with the saber, in addition to the muzzle-loading guns, model 1861, with carriage and limber. Swords and belts are furnished to the cadet officers.

As soon as the local company of the Ohio National Guard complete their target range, within a quarter of a mile of the University, an effort will be made to hold annual target practice for all cadets, using the service catridge. At the present time target practice is held with the sub-caliber rifle, caliber 22.

Military Companies Popular

About eight hundred students are drilled each year in the Schools of the Soldier Company and Battalion, and in the ceremonies. The Artillery is instructed in the School of the Cannoneer, and in the Manual of the Saber, besides the regular foot drill. The Signal Corps is instructed in visual signaling, both with the flag and torch. The Band holds the regular band practice at the drill hour every day, and is also exercised in the School of the Squad, (Infantry). Drill is held every day for one hour, except Saturdays and Sundays. Officers and non-commissioned officers school is held one hour a week by the Commandant.

The drill (and school) is so timed as not to interfere with the academic duties, and is found to be entertaining, invigorating and healthful—a pleasant relaxation after the close sedentary hours of the students' desk and class room.

Drill a Substitute for Electives

Every able-bodied male student in the University is strongly urged, though not compelled, to enlist in the Battalion, and to take the practical and theoretical courses of military instruction. Once having registered, however, he is expected to follow habitually the drills or recitations until the term actually closes. It is expected that every able-bodied student intending to complete any of the University courses will drill and recite in this department three terms; the military work counting as a substitute for any elective in his course. In order to secure credit on the records of the University, the cadet is required to be regular in attendance, to be subject to all military discipline, to drill not less than one hundred and fifty hours, and to win a grade of at least 85 per cent.

Organization

The Cadet Battalion at the present time consists of the following: One Cadet Major, one First Lieut. and Cadet Adjutant, one First Lieut. and Cadet Quartermaster, one First Lieut. and Cadet Band Leader, and one Cadet Sergeant Major.

COMPANY A.

1 Captain.
1 1st Lieutenant.
1 2nd. Lieutenant.
1 1st Sergeant.
1 Quartermaster Sergeant.
4 Sergeants.
4 Corporals.
27 Privates

COMPANY B.

1 Captain.
1 1st Lieutenant.
1 2nd Lieutenant.
1 1st. Sergeant.
1 Quartermaster Sergeant.
4 Sergeants.
4 Corporals.
27 Privates.

COMPANY C.

1 Captain.
1 1st. Lieutenant.
1 2nd. Lieutenant.
1 1st. Sergeant.
1 Quartermaster Sergeant.
4 Sergeants.
4 Corporals.
27 Privates.

COMPANY D.

1 Captain.
1 1st. Lieutenant.
1 2nd. Lieutenant.
1 1st. Sergeant.
1 Quartermaster Sergeant.
4 Sergeants.
4 Corporals.
27 Privates.

BATTERY B.

1 Captain.
1 1st. Lieutenant.
1 2d. Lieutenant.
1 1st. Sergeant.
4 Sergeants.
4 Corporals.
20 Privates.

SIGNAL CORPS.

1 1st. Lieutenant.
1 1s. Sergeant.
4 Sergeants.
4 Corporals.
15 Privates.

BAND

1 1st Lieutenant.
4 Sergeants.
22 Privates.
1 Drum-major.
4 Corporals.

The Cadet organization consists of 224 men, not including a bugle corps of six men, making the grand total 250.

Appointments and Promotions

The cadet officers are elected by the companies, and after due examination, if found proficient, are appointed by the Commandant of Cadets. The Non-Commissioned officers are appointed by the various company commanders, and after examination, as in the case of officers, are appointed. A cadet private of ability and energy may pass, in time, successively through the several grades to the captaincy of his company.

General Orders No. 155, War Department, dated July 24th, 1907, provide as follows: "All rules and orders relating to the organization and government of all military students; the appointment and change of officers, and all other orders affecting the military department, except those relating to routine duty, shall be made and promulgated by the Professor of Military Science and Tactics, after being approved by the chief administrative officer of the institution."

The examination for officers, or for non-commissioned officers, comprises for sergeants and corporals, the School of the Soldier; for lieutenants, the School of the Company; for captains, the School of the Company and Battalion.

Captains who fail to maintain their companies in satisfactory condition as to strength and instruction are expected to tender promptly their resignations.

Uniform

The Battalion of Cadets and the various other organizations belonging to the military department will be uniformed as follows: Khaki breeches, olive-drab flannel shirt, canvas leggings,

campaign hat, hat cord, and hat ornament. This uniform is similar to that worn by the troops of the Regular Army, and has been found to be the cheapest and most serviceable that can be found. All the parts of the uniform can be worn with civilian dress, so it is not a loss to the cadet after leaving the University. Tan or russet shoes are worn with this uniform, the style to suit the individual wearer. The entire uniform is of a superior quality, and can be purchased for about $8.20, subject of course to the change in the market prices.

Commissions and Warrants

Commissions and warrants, similar to those issued in the Regular Army, are issued to the officers and non-commissioned officers after passing the prescribed examinations. The commissions and warrants are supplied at the actual cost, $1.35 for commissions, and 60 cents for warrants. These are certificates of military service, and are valuable to the holder in after life, or in time of war. Commissions and warrants will remain in force while the cadet is a student at this University, or at the pleasure of the Commandant.

Prizes

A special cash prize is awarded to each company during the Spring term to the cadet presenting the best appearance, and showing the greatest proficiency in drill and discipline.

Textbooks

The following textbooks, furnished by the War Department, are designated for the course; Infantry Drill Regulations; Manual of Guard Duty; Field Service Regulations; Small Arms Firing Regulations; Outlines of First Aid to the Wounded; Lectures.

Special attention is given to the preparation of the cadets for the United States Military and Naval Academies, and of candidates for the commissions from the ranks of the Regular Army.

Battalion Camp

Recently the custom has been inaugurated of having the whole Corps of Cadets go into camp for five to eight days near the end of the Spring term. These camps have been on large well watered farms, and have conformed in every detail to camps of the Regular Army. The entire time in camp is devoted to military instruction, comprising, besides drill, tent pitching, camp sanitation, guard duty, field engineering, messing and cooking in the field, etc. Each company and detachment has the regulation Army conical wall and wall tents, the bed sack and blankets. Each company messes separately. The cost of the mess is about that of the regular board in the city.

A NON-POSING SNAPSHOT OF STUDENTS ON THEIR WAY TO THE CLASSROOMS.

REGISTER 1908-09

DEGREES

GRADUATES

UNDERGRADUATES

HONORARY DEGREES

Breyfogle, Bishop S. C.	(LL. D.)	Reading, Pa.
Brackney, William McKendree	(D. D.)	Delaware, Ohio
Crist, Elwood O.	(D. D.)	Toledo, Ohio
Finley, William L.	(A. M.)	Kenton, Ohio
Gregg, Jacob B.	(E. E.)	Ada, Ohio
Harmon, Governor Judson	(LL. D.)	Columbus, Ohio
Hill, John Wesley, Jr.	(LL. D.)	New York, N. Y.
Leonard, Adna Wright	(D. D.)	Cincinnati, Ohio
Morrison, Henry C.	(D. D.)	Louisville, Ky.
McCreight, Marion Morrison	(D. D.)	Chicago. Ill.
Maglott, Mrs. Eva	(C. E.)	Ada, Ohio
Redwood, Sir Boverton,	(D. Sci.)	London, Eng.
Weyprecht, Chas. C.	(A. M.)	Columbus, Ohio

MASTER DEGREES

Billman, Irwin	(Sci.)	Storm Lake, Ia.
Crissey, Roy H.	(Sci.)	Ada, Ohio
Davis, D. W.	(Class)	Madison, N. J.
Davey, Frank James	(Class)	Hoboken, N. J.
Hawk, M. E.	(Sci)	Burton, Ohio
Lowe, J. Virgil	(Ped.)	Silver Creek, Ohio
Stine, C. W.	(Sci.)	York, Pa.
Taylor, Charles E.	(Sci.)	Harrisburg, Ohio
Williams, S. P.	(Sci.)	Belle Vernon, Pa.

POST-GRADUATES

Beer, Jesse	(Sci.)	Mansfield, Ohio
Bair, W. H.	(Sci.)	Ruffsdale, Pa.
Cusac, W. Ray	(Eng.)	McComb, Ohio
Darley, C. B.	(Teach.)	Harrod, Ohio
Huber, H. E.	(Class)	Bluffton, Ohio
Huber, W. H. P.	(Sci.)	Lafayette, Ohio
Klinger, T. J.	(Scien.)	Ada, Ohio
Lowe, J. Virgil	(Teach.)	Silver Creek, Ohio
Sullivan, T. W.	(Sci)	Minster, Ohio

CLASS OF 1908

(Names not published in last year's catalogue.)

Classical

Hickernell, Warren F.....Ada, Ohio Kautz, E. J.....Ada, Ohio

Scientific

Hare, John S.....Georgesville, Ohio Kautz, E. J.....Ada, Ohio

Teachers

Detrick, Lola E.....Degraff, Ohio

Law

Juckhoff, F.....Carlyle, Ill.

Pharmacy

Irwin, Charles H.....Ashtabula, Ohio Ohl, Edward W.....Pa[illegible]a, Ohio

Business

Sharpless, Etta M.....Warsaw, Ohio

Stenography

Zinsmaster, Edna.....Navare, Ohio

GRADUATES

COLLEGE OF LIBERAL ARTS

Classical

Drummond, Glenn....Belle Center, Ohio
Decker, Shirley H.....Toledo, Ohio
Dresch, William H.....Chicago, Ill.
Elliott, Robert L....Millersburg, Ohio
Gray, Amos A.....Greenbrier, Ohio
Herring, John H....Penargyle, Pa.
Huber, Harvey E....Bluffton, Ohio
Hughes, W. Brant....Shreve, Ohio
Rothrock, Vergie M.....Ada, Ohio
Riegel, Edward E.,Grover Hill, Ohio
Thomas, John.....Jackson, Ohio
Totten, Luwella J....Farmdale, Ohio
Whitworth, Kernan B.....Ada, Ohio

Literature

Crecelius, A. A.....Ada, Ohio
Dye, Earl V.....Zanesville, Ohio
Oster, John E....New Bavaria, Ohio
Wilson, Mary E.....Ada, Ohio

Scientific

Albaugh, Iva I....Tarpon Springs, Fla.
Ashcraft, H. C....Frazeysburg, Ohio
Albaugh, E. F...Tarpon Springs, Fla.
Baumgardner, H. H....Jenera, Ohio
Barnes, Charles C....Sarahsville, Ohio
Bigham, Perry J.....Amden, Ohio
Campbell, Helen W.....Ada, Ohio
Crissey, Edith C.....Ada, Ohio
Cusac, W. R.....McComb, Ohio
Crafts, Earl .....Ada, Ohio
Diley, J. Monnette
Canal Winchester, Ohio
Dray, Victor R.....Kalida, Ohio
Danford, William A....Dobston, Ohio
Ely, Milo C.....New Bedford, Ohio
Eicher, Hu Bert Clark....Scottdale, Pa.
Fife, Ray.....Van Wert, Ohio
Floyd, W. H.....Rochester, Pa.
Frampton, Stanley A.....Creola, Ohio
Howey, Blanche C.....Toledo, Ohio
Henry, Florence E.
West Mansfield, Ohio
Horn, Eugene F....Washington, Pa.
Johnson, Clarence G.
McConnelsville, Ohio
Loveland, Anna B.....Ada, Ohio

Lowe, Myrla,.....Silver Creek, Ohio
Loomis, O. E.....Pemberville, Ohio
Lyon, Walter I.....New Waterford Ohio
La Rue, Charles C....Lewistown, Ohio
Maglott, George F.....Ada, Ohio
Morgan, A. J.....Toledo, Ohio
Morris, Phil.....Salesville, Ohio
Mitchell, John W.
New Wilmington, Pa.
Myers, Jessie L....Continential, Ohio
Oster, J. E.....New Bavaria, Ohio
Platt, Charles A.....Franklin, Pa.
Pratt, Chloe Eda .....Ada, Ohio
Plummer, Louis E....Grover Hill, Ohio
Rinehart, E. Clifton....Rawson, Ohio
Rockey, James K.....Ada, Ohio
Royer, Carl E.....Alliance, Ohio
Stanley, S. H....West Liberty, Ohio
Storer, Amanda,...Indianopalis, Ind.
Sullivan, T. W.....Minister, Ohio
Smith, Frank J.....Glouster, Ohio
Smith, Alice.....Bringhurst, Ind.
Stutsman, W. Harold....Hymera, Ind.
Sneary, Loy E.....Ada, Ohio
Squire, Eva M.....Nova, Ohio
Smith, Wm. P.
New Philadelphia, Ohio.
Turner, Floyd F.....Ada, Ohio
Wiseley, Carrie M.....Ada, Ohio
Wiltshire, Arthur Clifford
McKeesport, Pa.
White, Lizzie A.....Sunbury, Ohio
Welch, John W.....Berea, Ky.
Yerger, John H.....Reading, Pa.

Teachers

Carpenter, O. F.....Paulding, Ohio
Cleary, Edward D....Sarahsville, Ohio
Diley, J. Monnette
Canal Winchester, Ohio
Dray, Victor R.....Cloverdale, Ohio
Deacon, Floyd T....Harris Station, Ohio
Elliott, Sidney C.....Ada, Ohio
Eberhart, Cummings P....Ada, Ohio
Fullerton, Besse....Huntsville, Ohio
Henry, Florence E
West Mansfield, Ohio
Howey, Blanche E.....Toledo, Ohio
Krider, T. J.....Mercer, Ohio
La Rue, C. C.....Lewistown, Ohio
Lowe, J. Virgil....Silver Creek, Ohio
Lowe, Myrla.....Silver Creek, Ohio
Myers, Jessie L....Continental, Ohio
McVey, Charles S.....Bellaire, Ohio
Rockey, James K.....Ada, Ohio
Snyder, Carl R.....Whigville, Ohio
Syling, J. C.....Princeton, Pa.
Stanley, S. H....West Liberty, Ohio
Tressler, Mary.....Ridgeville, Ohio
White, Lizzie A.....Sunbury, Ohio
Wade, Russell S.....Ada, Ohio

English

Hixson, A. F.....Columbus, Ohio
Motter, J. I.....Lima, Ohio
Thomas, Harry K....Corunna, Ind.
Van Dyke, Earl F....Clarksburg, Ohio

Common School Certificates

Barr, Charles N.....Shelby, Ohio
Ford, Elsie H.....Harrod, Ohio
Geiger, Verna E.....Kenton, Ohio

COLLEGE OF ENGINEERING

Civil Engineering

Bryant, F. N....Binghampton, N. Y.
Biggs, C. T.....Elyria, Ohio
Brown, Wm. E.....Covington, Ohio
Beard, Mark H.....Leesburg, Ohio
Cranwell, B. H.....Chicago, Ill.
Cole, Frank T.....Spidel, Ohio
Darnell, R. F.....Urbana, Ohio
Davis, Wm. J.....Blazer, Ohio
Dickerson, S. Byram....Galion, Ohio
Dawson, G. Haven....Mt. Carmel, Pa.
Friedman, David....Kassa, Hungary
Frost, Willis G....Millington, Mich.
Fischer, Arthur F.....Chicago, Ill.
Gramm, R. H.....Harrisburg, Pa.
Gallier, G. W....Bowling Green, Ohio
Hogan, W. R.....Stockton, Calif.
Hesser, H. Ray.....La Rue, Ohio
Joseph, A. A.....Luckey, Ohio
Kreuger, R. E
Parker's Prairie, Minn.
Line, Edson.....Ada, Ohio
Loughman, S. J Sycamore, Pa.
Moyer, Clyde L.....Bluffton, Ohio
Millerin, M. E.....Falls Creek, Pa.
Maurer, Charles A Kettlersville, Ohio
McCrory, Albert.....California, Pa.
Miller, Horace S.....Harrisburg, Pa.
Maffet, Clarence C....Mansfield, Ohio
Roulston, H. R.... Heuvelton, N. Y.
Schellenberg, G. W.
Wheeling, West Va.
Stewart, S. E.....Harrisburg, Pa.
Stamm, S. A.....Pittsburg, Pa.
Sneary, Loy E.....Ada, Ohio
Sharrock, Ross C.....Bucyrus, Ohio
Tenny, A. E.....Pittsburg, Pa.
Wise, Frank F.....Canton, Ohio
Wilson, Jesse H....Blue Rock, Ohio
White, Arthur J....Mineral Ridge, Ohio
Wells, Wayne M.....Outville, Ohio

Mechanical Engineering

Atherton, Frien B....Greenfield, Ind.
Brenner, Fred L.....Akron, Ohio
Enes, James T.....Jolliett, Ill.
Eastman, Ivan L.....Ottawa, Ohio
Kaufman, Earl W....Clayton, ...Ohio
Turner, Charles C.....Ada, Ohio
Turcott, Wm. H.....Oscoda, Mich.

Electrical Engineering

Atherton, Frien B.... Greenfield, Ind.
Carson, Charles R....Allenport, Pa.
Corey, Clair E.....Conneaut, Ohio
Eby, Harvey B.....Dalton, Ohio
Eastman, Ivan L.....Ottawa, Ohio
Farley, James J.....Newark, N.J.
Miller, Stanton L.....Newark, Ohio
Nisar, Abdur R.....India
Turner, Chas. C.....Ada, Ohio
Wynn, John.....Canton, Ohio
Wright, C. O.....Van Wert, Ohio

Municipal Engineering

Sherrick, A. H.....McConnelsville, Pa.

Mining Engineering

Dawson, G. Haven....Mt. Carmel, Pa.
Wynn, George H.....Canton, Ohio

Architecture

Stewart, Paul P.....Chicago, Ill.

COLLEGE OF LAW

Appling, Alfred A....Cincinnati, Ohio
Bigham, Perry J.....Amsden, Ohio
Bell, Albert H....St. Clairsville, Ohio
Beam, Jesse F.....Willshire, Ohio
Baumgardner, B. F....Jenera, Ohio
Carson, Paul E.....Coal Center, Pa.
Cullum, Dean L.....Athens, Ohio
Eshelman, Oriel D....Cleveland, Ohio
Limpert, Thos. H....Montpelier, Ohio
Lyon, Walter I....New Waterford, Ohio
Miller, Loyd F.....Lewistown, Ohio
Neikirk, Irving B.....Republic, Ohio
Oster, John E....New Bavaria, Ohio
Owens, Joseph P....Bluffton, Ohio
Rice, Morris D.....Circleville, Ohio
Shepler, Levi S....Good Hope, Ohio
Sweitzer, Frank N.....Canton, Ohio
Sether, Walter R....Roseburg, Oregon
Steiner, R. S.....Bluffton, Ohio
Secrest, W. O.....New Concord, Ohio
Wardlow, C. J.....Feesburg, Ohio

COLLEGE OF PHARMACY

Brickey, Daniel F.....Findlay, Ohio
Byrd, Clyde G.....Lima, Ohio
Baxter, David G.....Coal Valley, Pa.
Brown, Elmer H. .....Scottdale, Pa.
Crabbs, H. R....Hammondsville, Ohio
Falter, Frederick J.....Ironton, Ohio
Fearing, Fred W.....Dayton, Ohio
Heaton, George S....Spangle, Wash.
Mellott, M. H.....Springfield, Ohio
Mercer, George A....Prairie Depot, Ohio
Pennywitt, Harry E
Huntington, W. Va.
Thatcher, W. Carl....Circleville, Ohio
Wooley, Carlos A....Mountville, Ohio

COLLEGE OF COMMERCE

Business

Anfield, Arthur L....Ellsworth, Pa.
Brodrick, Ora L....New Madison, Ohio
Dille, M. Kate.....Ridgeway, Ohio
DeGroft, Glenn M....Bradner, Ohio
Douglass, E. P.....Cairo, W. Va.
Deeds, John Clair.....Ada, Ohio
Dearth, Elza.....Ada, Ohio
Fleckner, A. A.....Oak Harbor, Ohio
Fisher, S. V.....Ada, Ohio
Hefner, H. R.....Lafayette, Ohio
Kaiser, W. C....New Philadelphia, Ohio
Kensler, R. L.....Middlepoint, Ohio
Miller, Roy S....Chambersburg, Pa.
Momeyer, Frank.....Smithton, Pa.
Mason, Arnold D....Fairmont, W. Va.
Park, Ethel Peebles, Ohio
Plummer, L. E....Grover Hill, Ohio
Rupert, Claude I.....Girty, Pa.
Ream, Wm. A.....Ada, Ohio
South, Henry L.....Roundhead, Ohio

Stahl, Harry A.....Bradner, Ohio
Scott, C. A.....Ursina, Pa.
Stump, Walter E.....Bradner, Ohio
Shadley, John W.....Ada, Ohio
Spar, Roy.....Ada, Ohio
Troyer, W. O.....Baltic, Ohio
Wismar, August A.....Custar, Ohio
Willaman, J. A.....Massillon, Ohio

Stenography

Dille, M Kate.....Ridgeway, Ohio
Flesher, Lulu M.....Richwood, Ohio
Heatlie, Ione....Chippewa Falls, Wis.
Jolliff, Omah E.....Richwood, Ohio
Strong, Bonnibel....Ashtabula, Ohio
Strong, Bessie L.....Ashtabula, Ohio

COLLEGE OF EXPRESSION

Professional Course

Howard, Anna M....St. Marys, Ohio
Johnston, Lillian L.....Harrod, Ohio
Sawyer, Frank L.....Pennville, Ind.

General Culture Course

Callahan, Vurel.....Forest, Ohio
Sieg, Laura.....Ridgeway, Ohio
Smith, B. F.....Lowell, Mass.
Stahl, Pearl A. M....Bradner, Ohio
Westerfield, Adda.....Bradner, Ohio
Weber, Alta M.....Cove, Ohio
Yost, Lauretta M....Lexington, Ohio

COLLEGE OF MUSIC

Piano

Agin, Fairie M.....Rawson, Ohio
Crass, Nettie E....Bowling Green, Ohio
Mills, Bernice D.....Toledo, Ohio
Rothrock, Vergie M.....Ada, Ohio
Thomas, Lulu F.....Ada, Ohio

Teacher of Piano

Copeland, Oreanna.....Wapakoneta, Ohio

Voice

Dobbins, Hazel M.....Ada, Ohio

Harmony

Agin, Fairie M.....Rawson, Ohio
Crass, Nettie E....Bowling Green, Ohio
Copeland, Oreanna, Wapakoneta, Ohio
Dobbins, Hazel M.....Ada, Ohio
Mills, Bernice D.....Toledo, Ohio
Rothrock, Vergie M.....Ada, Ohio
Wiseley, May.....Ada, Ohio

Public School Music

Copeland, Oreanna., Wapakoneta Ohio
Dobbins, Hazel M.....Ada, Ohio
Wiseley, May.....Ada, Ohio

Musical History

Agin, Fairie M.....Rawson, Ohio
Crass, Nettie E....Bowling Green, Ohio
Copeland, Oreanna, Wapakoneta, Ohio
Dobbins, Hazel M.....Ada, Ohio
Rothrock, Vergie M.....Ada, Ohio
Wiseley, May.....Ada, Ohio

Theory of Music

Agin, Fairie M.....Rawson, Ohio
Crass, Nettie E....Bowilng Green, Ohio
Copeland, Oreanna, Wapakoneta, Ohio
Dobbins, Hazel M.....Ada, Ohio
Rothrock, Vergie M.....Ada, Ohio
Wiseley, May.....Ada, Ohio

Counterpoint

Dobbins, Hazel M.....Ada, Ohio

COLLEGE OF FINE ARTS

Chambers, Janie.....Columbus, Ohio

UNDER-GRADUATES

COLLEGE OF LIBERAL ARTS

Classical

Alyea, Abram.....Bergen, N. J.
Armbrust, Joseph....Hamilton, Ohio
Aldrich, C.G.....Hardin, Ohio
Akers, W. D.....Wyandot, Ohio
Brumbaugh, Lena H.....Hardin, Ohio
Barefoot, Chas. R.....Bedford, Pa.
Betts, G. A.....Fairfield, Conn.
Black, F. L.....Richland, Ohio
Crafts, Willis.....Hardin, Ohio
Clark, Lee R.....Juniata, Pa.
Champion, F. T.....Hardin, Ohio
Dissley, F. L.....Tuscarawas, Ohio
Dapp, J. S.....Bergen, N. J.
Farnham, Dana.....Williams, Ohio
Fusselman, P. F.....Williams, Ohio
Finley, Marion.....Hardin, Ohio
Green, Clare.....Hancock, Ohio
Hossler, R. M.....Seneca, Ohio
Holloway, R. O.....Lucas, Ohio
Hartwell, E. G.....Trumbull, Ohio
Hoffman, James.....Jefferson, Pa.
Hoskinson, C. E.....Carroll, Ohio
Hodson, Harry.....Clinton, Ohio
James, M. S.....Portage, Ohio
Kail, Esther.....Wyandott, Ohio
Kirts, B. E.....Marion, Ohio
Killian, Edward.....Allegheny, Pa.
Keys, C. C.....Harrison, W. Va.
Lisles, Russell B.....Hardin, Ohio
Melenyzer, Charles, Westmoreland, Pa.
Mills, Wm.....Mercer, Pa.
Mehler, Robert.....Mercer, Pa.
Mehler, John.....Mercer, Pa.
Milne. D. Livingstone
Vancouver, B. C.
Meier, Rudolph.....Passaic, N. J.
Morin, W. H.....Morgan, Ohio
Manahan, H. A.....Logan, Ohio
Meyer, W. W.....Hardin, Ohio
Myers, Russell I.....Defiance, Ohio
Nitrauer, Elmer E.....Harain, Ohio
Nelson, D. B.....Jackson, Ohio
Overholt, Forest.....Hancock, Ohio
Prettyman, Clinton.....Marion, Ohio
Parker, John D.....Hancock, Ohio
Roberts, J Christy....Washington, Pa.
Rowe, F. G.....Mason, W. Va.
Smith, Vergon.....Hardin, Ohio
Sells, H. J.....Hardin, Ohio
Smith, Clarence.....Butler, Pa.
Thomas, Mary E.....Hardin, Ohio
Thomasson, Benj. H....Marion, Ohio
Voke, George.....Paulding, Ohio
Wade John, J.....Union, N. J.
Yoko, E. F Monroe, Ohio
Zeigler, E. F.....Wood, Ohio
Zulauf, W. W.....Wyandot, Ohio

Literature

Allan, Wm. A. D. Lackawanna, Pa.
Bunston, Howard W....Wayne, Mich.
Bowen, Jessie.....Essex, N. J.
Crissey, Edith.....Hardin, Ohio
Dailey, Floyd.....Hardin, Ohio
Forney, Thomas G.....
Tuscarawas, Ohio
Knoble, Clifford.....Allen, Ohio
Lombard, Harry C.....Putnam, Ohio
May, E. T.....Hardin, Ohio
McCauley, Wm....Tuscarawas, Ohio
Minnis, Glenn Y.....Mercer, Pa.
Moore, Wilmot L.....Huron, Mich.
Motter, P. O.....Hardin, Ohio
McKinley, R. E.....Clarion, Pa.
Storer, Mildred.....Indianapolis, Ind.
Taylor, Elmer.....Iroquois, Ill.
Toal, H. C.....Wyoming, N. Y.
Woodrow, J. A.....Jackson, Ohio

Scientific

Adams, Bernice.....Bucks, Pa.
Audrix, Nellie.....Franklin, Ohio
Armstrong, G. B Wyandot, Ohio
Alexander, W. B.....Morgan, Ohio
Arnold, James F.....Vinton, Ohio
Applegate, Roy.....Paulding, Ohio
Akers, W. D.....Wyandot, Ohio
Arnold, A. H.....Guernsey, Ohio
Arnett, T. F.....Monongalia, W. Va.
Ash, Berta.....Hardin, Ohio
Bruhlman, H. G.....Fulton, Ohio
Berger, S. H.....Licking, Ohio
Ball, D. R.....Allen, Ind.
Barton, Robert M.....Juanita, Pa.
Baker, Roscoe.....Shelby, Ohio
Burnworth, S. V.....Hardin, Ohio
Berger F. L.....Licking, Ohio
Bond, Allen.....Belmont, Ohio
Brandon, R. E.....Wood, Ohio
Bruce, F. M.....Erie, Ohio

Bingman, C. W.....Athens, Ohio
Baker, R. H.....Wood, Ohio
Benedict, Lloyd N.....Morrow, Ohio
Betts, W. A.....Fairfield, Conn.
Baldwin, J. W., Jr.....Lucas, Ohio
Berg, J. C.....Paulding, Ohio
Brown, L. C.....Licking, Ohio
Brincefield, Jesse R.....Auglaize, Ohio
Coulter, Grace.....Hardin, Ohio
Copeland, A. L.....Auglaize, Ohio
Christen, Clarence.....Wood, Ohio
Carmean, Theodore.....Marion, Ohio
Cummins, Wm. H.....Wayne, Mich.
Creighton, T. M.....Carroll, Ohio
Copeland, J. C.....Hardin, Ohio
Campbell, S. C.....Union, Ohio
Carter, N. R.....Van Wert, Ohio
Crawn, Rae.....Seneca, Ohio
Carey, W. H.....Hancock, Ohio
Carpenter, O. F.....Paulding, Ohio
Case, Charles.....Licking, Ohio
Clutts, Ollie.....Scioto, Ohio
Corbett, Clyde.....Portage, Ohio
Campbell, Eva.....Union, Ohio
Compton, Irene.....Coshocton, Ohio
Chin Wah.....Cook, Ill.
Cleveland, John D.....Marion, Ohio
Cleary, E. D.....Noble. Ohio
Christen, Mildred.....Wood, Ohio
Craft, Otis R.....Noble. Ohio
Conn, Donald W.....Van Wert, Ohio
Connell, C. D.....Licking, Ohio
Coulter, L. E.....Morgan, Ohio
Chaffee, Victor.....Lake, Ohio
Deacon, Floyd.....Pike, Ohio
Damon, C. J.....Henry, Ohio
Davidson, W. E.....Crawford, Ohio
Dicke, Oscar.....Auglaize, Ohio
Dibble, W. W.....Putnma, Ohio
Dunn, F. C.....Morgan, Oiho
Davis, F. A.....Morgan, Ohio
Dehnhoff, Don D .....Wood, Ohio
Dulabaum, E. L.....Wayne, Ohio
Davis, Stella.....Hardin, Ohio
Dissley, F. L.....Tuscarawas, Ohio
Davidson, J. W.....Columbiana, Ohio
Eley, Sherman E.....Allen, Ohio
Ernsberger, Dale.....Hardin, Ohio
Fisher, Harry E.....Auglaize, Ohio
Farney, Thos. G.....Tuscarawas, Ohio
Foley, R. R.....Westmoreland, Pa.
Freeland, H. D.....Green, Pa.
Freeman, T. M.....Washington, Pa.
Fennig, H. J.....Mercer, Ohio
Fullerton, Besse.....Logan, Ohio
Ford, D. C.....Woods, Okla.
Fork, Charles.....Wood, Ohio
Ford, Perry.....Putnam, Ohio
Forest, C. R.....Portage, Ohio
Fralick, W. H.....Marion, Ohio
Gleim, Sophia.....Scioto, Ohio
Garber, C. Guy.....Coshocton, Ohio
Garwood, Guy.....Logan, Ohio
Gruetzner, E. T.....Allegheny, Pa.
Geiger, Verna.....Hardin, Ohio
Graham, Eltha.....Union, Ohio
Gramlich, A. J.....Hardin, Ohio
Grinnell, Oliver.....Starke, Ohio
Gill, Panzie.....Hardin, Ohio
Graham, Fred.....Muskingum, Ohio
Gerber, D. W.....Tuscarawas, Ohio
Garwood, Irving.....Hardin, Ohio
Haskett, J. C.....Henry, Ind.
Harrod, Lloyd.....Allen, Ohio
Henderson, Robt.....Forest, Pa.
Hooper, Arthur.....Jefferson, Ohio
Hayes, L. A.....Madison, Ohio
Hammond, H. W.....Columbiana, Ohio
Housekeeper, Dora.....Wood, Ohio
Hayes, H. L.....Madison, Ohio
Huff, Francis.....Cochocton, Ohio
Hedges, A. E.....Allen, Ohio
Howe, A. T.....Auglaize, Ohio
Harbaugh, Verde.....Ashland, Ohio
Hothem, Calvin.....Tuscarawas, Ohio
Harrod, J. R.....Allen, Ohio
Howarth, E. B.....Oakland, Mich.
Hale, Victor.....Paulding, Ohio
Homrighous, Dora.....Fairfield, Ohio
Hartzell, Elmer.....Lawrence, Pa.
Harman, Ray N.....Hardin, Ohio
Henning, Gilbert.....Washington, Ohio
Henning, H. H.....Washington, Ohio
Hinkle, Elmer.....Delaware, Ohio
Hutchison, J. A.....Paulding, Ohio
Harman, G. W.....Logan, Ohio
Hurst, Lulu.....Tuscarawas, Ohio
Hammer, Harry.....Lucas, Ohio
Horn, E. F.....Washington, Pa.
Hickernell, Bessie.....Hardin, Ohio
Imhoff, G. C.....Richland, Ohio
Jennings, Vasta.....Hardin, Ohio
Johnson, C. D.....Morgan, Ohio
Jackson, Maurice A.....Woodford, Ky.
Jones, Sam.....Starke, Ohio
Jones, C. L.....Licking, Ohio
Jones, Orris R.....Wyandot, Ohio
Johnstone, Rowena.....Hardin, Ohio
Knoblock, George H
Columbiana, Ohio
Kurtz, C. F.....Cumberland, N. J.
Keith, J. A.....Allen, Ohio
Knight, G. L.....Morgan, Ohio
Ketzenberger, E. L.....Wood, Ohio
Kelbaugh, J. T.....Noble, Ohio
Kochenderfer, Grace, Ashtabula, Ohio
Kilmer, Iona.....Hardin, Ohio
Longworth, Paul.....Hardin, Ohio
Linn, W. M.....Venango, Pa.
Lonz, George F.....Ottawa, Ohio
Lisles, Russell B .....Hardin, Ohio
Lowe, J. Virgil.....Hardin, Ohio
La Rue, Charles C.....Logan, Ohio
Lonsinger, Lucy.....Mahoning, Ohio
Lonsinger, Celia.....Mahoning, Ohio
Laycock, J. W.....Licking, Ohio
Leech, Lloyd.....Coshocton, Ohio
Lake, L. P.....Muskingum, Ohio
Murlin, H. E.....Mercer, Ohio
Moore, Paul H.....Logan, Ohio
May, Ralph.....Pickaway, Ohio
Morgan, Adaline.....Lucas, Ohio

McVey, C. S. Belmont, Ohio
Mahan, Florence Hardin, Ohio
McCullough, W. A Hardin, Ohio
Mills, Wm Mercer, Pa.
Mehler, Robert Mercer, Pa.
Mann, Robert J. Adams, Ind.
Masters, G. W. Trumbull, Ohio
Morrow, Mayme Hardin, Ohio
Maglott, Donald Hardin, Ohio
Marsh, Rose Chaffee, Colo.
Mehler, John Mercer, Pa.
Mock, J. C. Green, Ohio
Moore, J. R. Washington, Pa.
Myers, Myrtle N. Hancock, Ohio
Meyers, Hetta Miami, Ohio
Myers, Cloyd Wood, Ohio
McCullough, N. P. Logan, Ohio
Morris, Frank Guernsey, Ohio
Meyers, Myrtle Putnam, Ohio
McManus, P. J. Otsego, N. Y.
Moorehead, Dwight Guernsey, Ohio
Maury, Grover Monroe, Ohio
Manning, James F. Auglaize, Ohio
Morrison, W. E. Noble, Ohio
Morrell, B. F. Tarrant, Texas
Naylor, Elmer Clinton, Ohio
Neiswander, W. D. Allen, Ohio
O'Conner, J. A. Cambria, Pa.
Ogan, Howard Guernsey, Ohio
Orthwein, W. E. Crawford, Ohio
Oldham, Harriet F. Franklin, Ohio
Oppy, J. A. Scioto, Ohio
Pepple, Imogene Hardin, Ohio
Packer, Clara Hardin, Ohio
Price, O. W. Fayette, Ohio
Palmer, Goldie Morgan, Ohio
Patchen, Guy G. Allegheny, Pa.
Prettyman, Clinton Marion, Ohio
Pyres, Don Logan, Ohio
Pond, J. W. Paulding, Ohio
Patrick, W. H. Logan, Ohio
Price, Lois Hardin, Ohio
Ream, Mary Hardin, Ohio
Rothrock, Elta Hardin, Ohio
Riley, Okla L. Allen, Ohio
Raabe, Olga Putnam, Ohio
Ross, D. E. Lawrence, Ohio
Rutledge, J. H. Hardin, Ohio
Roberts, H. D. Roane, W. Va.
Rice, Edward W. Kent, Md.
Riley, D. P. Allen, Ohio
Ries, Casper Hardin, Ohio
Richards, Howard A. Franklin, Ohio
Ross, David Wetzel, W. Va.
Renner, W. O. Trumbull, Ohio
Ream, Harry Summit, Ohio
Rogers, Clancy M. Allen, Ohio
Russell, A. P. Hancock, Ohio
Rowan, Beulah Harrison, W. Va.
Rowan, Alta Texas, Okla.
Smith, Thurman Monroe, Ohio
Smith, M. C. Noble, Ohio
Suber, A. O. Wyandot, Ohio
Skinner, Maud J. Chautauqua, N. Y.
Swigart, I. L. Harrison, W. V.
Strothers, R. L. Harrison, W. Va.
Shovar, A. B. Juniata, Pa.
Snyder, C. V. Logan, Ohio
Schmeid, J. W. Hamilton, Ohio
Stambaugh, John Hardin, Ohio
Stout, I. G. Sandusky, Ohio
Sidener, R. H. Allen, Ohio
Stauffer, Andy Allen, Ohio
Swartout, Alice Tioga, Pa.
Scyling, J. C. Lawrence, Pa.
Stout, Maud I. Logan, Ohio
Stambaugh, John Hardin, Ohio
Simpson, W. Earl Belmont, Ohio
Smith Russell, Venango, Pa.
Scheid, G. W. Huron, Ohio
Snyder, Carl R. Noble, Ohio
Sullivan, H. Lee Brown, Ohio
Sutter, Eldoia Richland, Ohio
Stowe, Parker Erie, Pa.
Shaffer, Irwin Westmoreland, Pa.
Smith, John W. Brown, Ohio
Smith, Anna F. Erie, Ohio
Shade, R. L. Allen, Ohio
States, D. D. Scioto, Ohio
Stoner, Blanchard, Mercer, Ohio
Steiner, Clara Saginaw, Mich.
Stahl, Carl Henry, Ohio
Turner, Ross A. Hardin, Ohio
Tetlow, J. J. Columbiana, Ohio
Taylor, H. A. Jefferson, Ohio
Toal, H. C. Wyoming, N. Y.
Thomasson, Benj. H. Marion, Ohio
Tevis, G. W. Jefferson, Ind.
Trego, R. L. Coshocton, Ohio
Tucker, Otis Ashland, Ohio
Trissler, Gwendoline Hardin, Ohio
Virgin, Wm. Washington, Pa.
Vermillion, C. W. Delaware, Ohio
Van Dyke, E. F. Ross, Ohio
Veatch, R. F. Hardin, Ohio
White, W. L., Jr. Hamilton, Ohio
Webb, L. A. Hardin, Ohio
Williams, Chas, G. Coshocton, Ohio
Wardlow, C. J. Brown, Ohio
Williams, Geo. W. Stark, Ohio
Wade, Otis G. Hardin, Ohio
Wilson, Chas. A. Mahoning, Ohio
Wetzel, E. A. Seneca, Ohio
Wegman, Carl Wood, Ohio
Wellman, Fred Wood, Ohio
Webster, E. L. Ottawa, Ohio
Whiteman, S. Lee Otsego, N. Y.
Woodrow, F. S. Jackson, Ohio
Waits, Logan A. Brown, Ohio
Warner, Charles Fairfield, Ohio
Warner Alice Fairfield, Ohio
Windle, Joseph H. Putnam, Ohio
Wise, G. F. Darke, Ohio
Welch, John W. Hardin, Ohio
Wardlow, W. O. Brown, Ohio
Woodard, Ruth Hardin, Ohio
White, H. H. Wayne, Ohio
Younkin, D. G. Somerset, Pa.
Younger, W. S. Mercer, Ohio

Teachers' Course

Avery, Fred.....Wabash, Ind.
Anspach, Donna.....Hardin, Ohio
Andrews, Charles.....Mercer, Ohio
Alford, Earl.....Wyandot, Ohio
Adams, Samuel ....Doddridge, W. Va.
Argo, Cecil.....Union, Ohio
Anselment, Mayetta....Marion, Ohio
Allen, Oscar.....Paulding, Ohio
Ash, Mary.....Hardin, Ohio
Allen, John A.....Medina, Ohio
Bulen, C. E.....Union, Ohio
Blanchard, Aline.....Paulding, Ohio
Barr, Charles.....Shelby, Ohio
Bracy, A. O.....Putnam, Ohio
Bargar, Allen,.....Crawford, Ohio
Baker, Vernon.....Marion, Ohio
Bonewit, Vernice.....Wood, Ohio
Broceus, Mabelle.....Allen, Ohio
Blosser, T. H.....Hancock, Ohio
Bowers, Grace.....Wyandot, Ohio
Brillhart, F. B.....Henry, Ohio
Bond, Mary F.....Greene, Ohio
Banks, Ray.....Paulding, Ohio
Butler, Lottie A.....Lucas, Ohio
Bright, Fern.....Hancock, Ohio
Brady, Glenn.....Washington, Pa.
Bowland, Jessie.....Hardin, Ohio
Bellingsley, G. H.....Paulding, Ohio
Barrett, Floyd.....Scioto, Ohio
Bowersox, Ada M....Hancock, Ohio
Bumgarner, Calvin C.....Pike, Ohio
Burkett, Jesse E.....Scioto, Ohio
Burgess, Belva L....Coshocton, Ohio
Bishop, Taylor.....Licking, Ohio
Buckingham, Lillian
Washington, Pa.
Baldwin, Howard K.....Logan, Ohio
Beck, Ethel S.....Crawford, Ohio
Bonen, Amanda E....Crawford, Ohio
Bosserman, Hattie E....Hancock, Ohio
Biggs, Mary.....Coshocton, Ohio
Brown, Fannie.....Allen, Ind.
Binkley, Arthur.....Hardin, Ohio
Bowersock, Eunice....Auglaize, Ohio
Brincefield, Lulu.....Auglaize, Ohio
Bowers, L. L.....Tuscarawas, Ohio
Beibell, Nelle.....Van Wert, Ohio
Baker, Roscoe,.....Shelby, Ohio
Braden, O. E.....Crawford, Ohio
Bresler, Ethel.....Hardin, Ohio
Crawford, W. J.....Beaver, Pa.
Craig, Della.....Ashland, Ohio
Chamblin, Edith.....Wood, Ohio
Compton, Luella.....Coshocton, Ohio
Caldwell, Grace.....Highland, Ohio
Castle, Ray.....Logan, Ohio
Candler, Lloyd.....Hardin, Ohio
Carothers, Jennie.....Lucas, Ohio
Campbell, Vera.....Hardin, Ohio
Carmean, Harry S.....Crawford, Ohio
Campbell, Freda.....Holmes, Ohio
Callahan, J.....Hancock Ohio
Clinger, R. C.....Wyandot, Ohio
Coulson, John.....Knox, Ohio
Chandler, J. H.....Crawford, Ohio
Coe, Orpha.....Crawford. Ohio
Cowen, Curtis C....Washington, Pa.
Crawford, Florence.....Beaver, Pa.
Cooper, Georgia.....Logan, Ohio
Campbell, Beth.....Wyandot, Ohio
Chandler, Anna.....Wyandot, Ohio
Chandler, Marie.....Wyandot, Ohio
Court, Mary K.....Hancock, Ohio
Carroll, Cecile.....Mercer, Ohio
Case, Carrie.....Licking, Ohio
Cox, Allen.....Coshocton, Ohio
Cox Ethel.....Coshocton, Ohio
Cline, H. L.....Richland, Ohio
Collins, Flossie.....Henry, Ohio
Conkle, Lena.....Knox, Ohio
Cutler, Helen.....Pike, Ohio
Carder, Blanche.....Putnam, Ohio
Curl, Mary.....Marion, Ohio
Coatsworth, Van....Washington, Pa.
Cline, Waife.....Washington, Ohio
Carter, Ray L.....Ottawa, Ohio
Cottrell, Beulah.....Marion, Ohio
Clouse, B Gayle.....Morrow, Ohio
Cavanaugh, Emma B....Wyandot, Ohio
Culleton, Anna.....Richland, Ohio
Dodge, Emma.....Union, Ohio
Dunipace, Elwin.....Wood, Ohio
Donaghy, Elizabeth....Hardin, Ohio
Dunker, Benjamin.....Darke, Ohio
Davidson, Foster....Wyandot, Ohio
Drury, F. B.....Defiance, Ohio
Dodge, Harvey.....Ottawa, Ohio
Dodge, Harold.....Ottawa, Ohio
Daniels, Edna.....Auglaize, Ohio
Dissley, Wm. G....Tuscarawas, Ohio
Drake, Leland N....Cuyahoga, Ohio
Dunn, Lillian.....Wood, Ohio
Dumbauld, Mary E....Licking, Ohio
Davis, Claude.....Logan, Ohio
Dearth, Miles.....Noble, Ohio
Dome, Chas. S.....Hardin, Ohio
Davidson, Ethel.....Wyandot, Ohio
Daily, Alma.....Hardin, Ohio
DeVanna, Fern.....Wyandot, Ohio
Doty, A. M.....Los Angeles, Calif.
Ekleberry, Daryl....Wyandot, Ohio
Elliott, S. C Hardin, Ohio
Ellis, Harry E.....Wyandot, Ohio
Eaton, Maude.....Juniata, Pa.
England, R. D.....Wyandot, Ohio
Edmister, A. C.....Delaware, Ohio
Eibling, Mary.....Hardin, Ohio
Edwards, Wm. J.....Putnam, Ohio
Edington, B. H.....Hardin, Ohio
Exline, Janie.....Hardin, Ohio
Evenbeck, Hettie.....Wood, Ohio
Engle, Mary K.....Somerset, Pa.
Frazee, Charles.....Fayette, Pa.
Flowers, Satia....Montgomery, Ohio
Foley, R. R Westmoreland, Pa.
Freeland, H. D.....Greene, Pa

Fields, Bernice.....Hardin, Ohio
Finzel, Lucy.....Lucas, Ohio
Fink, Minta.....Wyandot, Ohio
Fugate, Robert M.....Van Wert, Ohio
Foucht, M. E.....Wyandot, Ohio
Foit, Irving.....Hardin, Ohio
Faber, Roy, E.....Wayne, Ohio
Foltz, Irma.....Putnam, Ohio
Fell, Mabel.....Marion, Ohio
Fisher, Ida.....Perry, Ohio
Fent, Arlie B.....Hardin, Ohio
France, Bertha.....Wood, Ohio
Fuson, Elizabeth....Champaign, Ohio
Fry, Lawrence..... Delaware, Ohio
Fitch, Jennie.....Wood, Ohio
Ford, Berlin.....Allen, Ohio
Fields, Amy.....Madison, Ohio
Flanders, Edith....Chatauqua, N. Y.
Fry, Margery.....Union, Ohio
Gottschalk, Esther.....Henry, Ohio
Geiger, Verna.....Hardin, Ohio
Good C. O.....Van Wert, Ohio
Green, Harry.....Union, Ohio
Greninger, Fred.....Clinton, Pa.
Garvenick, Clara.....Crawford, Ohio
Gottschall, Rea.....Mercer, Ohio
Graham, Susie.....Paulding, Ohio
Gallentine, E. L.....Hardin, Ohio
Gordon, J. M.....Perry, Ohio
Guthrie, John.....Hardin, Ohio
Grappy, Emma.....Hardin, Ohio
Gloub, Marguerite.....Hamilton, Ohio
Graham, H. W.....Pickaway, Ohio
Garlinger, Carrie.....Hardin, Ohio
Harman, Chester.....Putnam, Ohio
Hershey, Emmett R....Richland, Ohio
Henry, Earl W.....Brown, Ohio
Hill, John G.....Hardin, Ohio
Hamilton, James.....Union, Ohio
Harvey, D.....Crawford, Ohio
Hardin, T. W.....Auglaize, Ohio
Hadsell, Etta.....Hardin, Ohio
Hooper, Arthur.....Jefferson, Ohio
Hunt, E. B.....Hardin, Ohio
Hanna, Lillian.....Hancock, Ohio
Harrod, Ola.....Allen, Ohio
Harrod, Jennie.....Auglaize, Ohio
Hanna, Clyde.....Hardin, Ohio
Hanna, John C.....Hardin, Ohio
Hoskinson, Ethel.....Licking, Ohio
Hise, Ross.....Crawford, Ohio
Hamilton, Roy.....Hardin, Ohio
Haskett, J. C.....Henry Ind.
Hoover, Harrison.....Fulton, Pa.
Hodson, Harry.....Clinton, Ohio
Helping, Flora O.....Auglaize, Ohio
Harvey, E. E.....Logan, Ohio
Harper, Cecil .....Union, Ohio
Howe, Glen T.....Cuyahoga, Ohio
Hunlein, Fred.....Hocking, Ohio
Hunt, Bules H.....Trumbull, Ohio
Huffman, J. M.....Wood, Ohio
Howard, Herbert.....Morrow, Ohio
Heister, Georgia.....Van Wert, Ohio
Hoffman, Monta.....Hardin, Ohio
Hess, Esther.....Ottawa, Ohio

Huston, Howard R.....Perry, Ohio
Hunt, Arthur.....Putnam, Ohio
Hammond, Carrie E....Lucas, Ohio
Hoffman, Cora.....Hardin, Ohio
Hoffman, Clara, ...Hardin, Ohio
Hefner, Geo. G.....Allen, Ohio
Hefner, Ray.....Allen, Ohio
Hall, Rush.....Lake, Ohio
Hagedorn, J. O.....Monroe, Ohio
Hutson, Gladys.....Auglaize Ohio
Hedges, A. E.....Allen, Ohio
Hayden, Helen.....Richland, Ohio
Harvey, H. D.....Hardin, Ohio
Iles, Mayo.....Hocking, Ohio
Imhoff, Clarence.....Richland, Ohio
Jeffries, Edgar.....Fayette, Pa.
Johnston, Goldeth.....Marion, Ohio
Jones, Florence.....Hardin, Ohio
Joseph G. C.....Wood, Ohio
Jacobs, Agnes.....Allen, Ohio
Johnson, Leo C.....Shelby, Ohio
Jamison, Laura.....Hardin, Ohio
Jones, Mae.....Ashtabula, Ohio
Johnson, Wayne, ...Henry, Ohio
Johnston, I. L.....Guernsey, Ohio
Jones, Harold.....Tuscarawas, Ohio
Jones, Russell,.....Hardin, Ohio
Jones, R. A.....Wyandot, Ohio
Jagger, Lizzie.....Whitley, Ind.
Kilmer, Iona M.....Hardin, Ohio
Kensler, W. C.....Van Wert, Ohio
Kahler, Alfred, ...Hardin, Ohio
Kerr, W. J.....Crawford, Ohio
Kraus, Anthony.....Wyandot, Ohio
Krohn, Mary.....Franklin, Ohio
Kunkle, Junie.....Noble, Ohio
Kane, Heber.....Hocking, Ohio
Keener, H. E.....Muskingum, Ohio
Kithcart, Jessie.....Jefferson, Ohio
Kirkland, Frances....Delaware, Ohio
Kuck, Elizabeth.....Union, Ohio
Kern, C. G.....Licking, Ohio
Krout, Lillian.....Hardin, Ohio
Lang, Hattie.....Loraine, Ohio
Littleton, C. D.....Hardin, Ohio
Loy, Frances.....Richland, Ohio
Leech, Mary G.....Richland, Ohio
Luft, Carl.....Marion, Ohio
Leitzy, Ervin G.....Crawford, Ohio
Lanker, P. T.....Wyandot, Ohio
Levering, M. V.....Knox, Ohio
Lewis, Vada.....Van Wert, Ohio
Lowe, Hattie M.....Trumbull, Ohio
Lenner, Neil.....Seneca, Ohio
Link, Wm.....Auglaize, Ohio
Lawrence, Alvin.....Wyandot, Ohio
Lyon, O. G.....Sandusky, Ohio
Lingrel, Elmore.....Logan, Ohio
Linkhart, Minnie.....Putnam, Ohio
Mitchell, Bernice.....Hardin, Ohio
Morris, Bertha.....Logan, Ohio
Miller, Ocie.....Scioto, Ohio
McAllister, Katherine....Union, Ohio
McDowell, Mera.....Trumbull, Ohio
Meyers, Edith.....Miami, Ohio
Minnis, Glenn Y.....Mercer, Pa.

McAllister, Effie.....Union, Ohio
May, Cary.....Allen, Ohio
Maurer, Edward.....Shelby, Ohio
McDorman, Fred....Paulding, Ohio
Moore, Pansy.....Hancock, Ohio
Mitchell, Dale I.....Hancock, Ohio
Murphy, Dennis.....Tyvan, Canada
Morgan, Bertha.....Huron, Ohio
McElwain, Edgar.....Allen, Ohio
Mault, Lewis.....Scioto, Ohio
Miller, F. F.....Allen, Ohio
Musson, Alma.....Hardin, Ohio
Millhone, Harry.....Guernsey, Ohio
May, Ralph.....Pickaway, Ohio
Miller, Ivan.....Union, Ohio
McCabe, Roma.....Paulding, Ohio
Martin, Burt M.....Seneca, Ohio
Mick, Florence.....Wyandot, Ohio
Martin, Lillian.....Ottawa, Ohio
Musgrave, C. D.....Hancock, Ohio
Morecraft, Leota.....Champaign, Ohio
Moffett, Lula.....Hardin, Ohio
Miller, Lola D.....Licking, Ohio
Miller, Jennie.....Darke, Ohio
McCrory, Minnie.....Crawford, Ohio
Milne, D. Livingstone,.....
.....Vancouver, B. C.
Mollenkopf, Milton....Crawford, Ohio
Miller, C.C.....Lawrence, Pa.
Mason, Florence.....Henry, Ohio
Mills, Lucile.....Ashtabula, Ohio
Milnor, Perlie C.....Fairfield, Ohio
Misamore, Ina.....Wyandot, Ohio
Mc Vey, C. S.....Belmont, Ohio
Moncrief, Mary L....Columbiana, Ohio
Major, Blanche.....Hardin, Ohio
Miranda, Walter C.....Shelby, Ohio
McNeal, F. C.....Hardin, Ohio
Miller, Levia.....Gallia, Ohio
Miller, Jennie.....Darke, Ohio
Nye, Howard.....Allen, Ohio
Newburn, Austin.....Morgan, Ohio
Nietz, J. A.....Wood, Ohio
Noble, Zetta.....Huron, Ohio
Newcomb, Alice.....Mercer, Ohio
Nichol, Besse M....Washington, Pa.
Neiswander, Estella....Hancock, Ohio
Nelson, F. R.....Monroe, Ohio
Ottmer, Helen.....Washington, Wis.
Oliver, W. W.....Guernsey, Ohio
Ohl, Elmer E.....Richland, Ohio
Parker, Jay R.....Wyandot, Ohio
Pierce, John.....Allen, Ohio
Pool, R. H.....Wyandot, Ohio
Platt, Elizabeth.....Wood, Ohio
Parker, John D.....Hancock, Ohio
Parker, Laura.....Hancock, Ohio
Parker, Rosalind.....Hancock, Ohio
Pond, J. W.....Paulding, Ohio
Pinckney, Mary.....Loraine, Ohio
Pope, Marion A.....Ottawa, Ohio
Purdy, Leroy.....Knox, Ohio
Palmer, Gladys M.....Henry, Ohio
Pier, Emma.....Paulding, Ohio
Parker, Mary L.....Licking, Ohio
Pittinger, A. W.....Ashland, Ohio
Powers, Anna.....Paulding, Ohio
Parrett, Edna.....Putnam, Ohio
Parker, Nellie.....Wyandot, Ohio
Penry, Della.....Delaware, Ohio
Pfeiffer, Jennie.....Paulding, Ohio
Phillips, Ruby M.....Hardin, Ohio
Quaintance, Hannah, Wyandot, Ohio
Ransbottom, Flo.....Allen, Ohio
Rose, W. D.....Darke, Ohio
Riggle, D. E.....Richland, Ohio
Riggle, C. B.....Richland, Ohio
Rogers, R. E.....Wood, Ohio
Rinehart, Lulu O.....Delaware, Ohio
Richeson, P. P.....Holmes, Ohio
Richey, Ruth.....Union, Ohio
Rider, Bertha.....Ashtaubla, Ohio
Rider, Mattie.....Ashtabula, Ohio
Richards, Howard A....Franklin, Ohio
Rex, J. Smith.....Allen, Ohio
Reed, Earl C.....Pickaway, Ohio
Rhoades, Alonzo I.....Mercer, Ohio
Robinson, C. C.....Wyandot, Ohio
Rainsburg, Hazel.....Hardin, Ohio
Ream, Helen, M.....Starke, Ohio
Reeley, Fred.....Union, Ohio
Rowe, W. A.....Seneca, Ohio
Reed, Iva.....Huron, Ohio
Rutter, Bessie M.....Monroe, Ohio
Robbins, Ruby.....Jackson, Ohio
Russell, F. O.....Wood, Ohio
Roth, Alice.....Hancock, Ohio
Ray, Ida.....Venango, Pa.
Raabe, Augusta.....Putnam, Ohio
Smith, J. Warren.....Holmes, Ohio
Steva, Anna.....Union, Ohio
Shy, Frank R.....Pike, Ohio
Snearinger, Nettie R....Wyandot, Ohio
Snearinger, Lillie V....Wyandot, Ohio
Snyder, H. D.....Somerset, Pa.
Stober, Dora.....Hardin, Ohio
Sink, Lois.....Wyandot, Ohio
Shick, Harley.....Hardin, Ohio
Shumaker, Leroy.....Crawford, Ohio
Shawber, Forrest.....Henry, Ohio
Seiler, Lawrence, J.....Hardin, Ohio
Schifer, J. G.....Crawford, Ohio
Sprang, Bertha.....Wayne, Ohio
Sprang, Evelyn.....Holmes, Ohio
Smith, Warren E.....Hardin, Ohio
Shanks, Linda.....Wood, Ohio
Shawver, Grace.....Logan, Ohio
Shimel, Robt.....Defiance, Ohio
Sawyer, Abbie.....Allen, Ohio
Stockton Chas.....Allen, Ohio
Sloan, Lloyd.....Hardin, Ohio
Shank, Ora.....Putnam, Ohio
Stull, Frank .....Knox, Ohio
Smith, Earl.....Coshocton, Ohio
Shields, Frances.....Hardin, Ohio
Slavens, Alva.....Pike, Ohio
Smith, Miles A.....Athens, Ohio
Sheets, V. T.....Hardin, Ohio
Sonner, Paul R.....Logan, Ohio
Sayre, Carl H.....Seneca, Ohio
Shafer, Oll D.....Hancock, Ohio
Sanders, Eva L.....Jefferson, Ohio

Stone, Pansy M.....Jefferson, Ohio
Schmidt, Elma.....Fulton, Ohio
Sites, Prestle.....Putnam, Ohio
Steiner, Leo E.....Hardin, Ohio
Siegfried, Frank.....Seneca, Ohio
Sweebe, Dolla.....Wood, Ohio
Smith, Nellie C.....Licking, Ohio
Sturm, Sybil.....Harrison, W. Va.
Sturm, Ella.....Harrison, W. Va.
Sieg, Birdie.....Williams, Ohio
Southerland, Bernice....Hardin, Ohio
Shepard, Lolo.....Henry, Ohio
Smith, Emma H.....Franklin, Ohio
Sanderson, Albert.....Fairfield, Ohio
Skidmore, Thurman.....Logan, Ohio
Smith, Lulu E.....Putnam, Ohio
Shafer, Jessie.....Putnam, Ohio
Stinebaugh, Eugene....Auglaize, Ohio
Smith, Anna.....Morrow, Ohio
Sitterly, Effie.....Huron, Ohio
Sterrett, A. O.....Putnam, Ohio
Schneider, Oliver.....Monroe, Ohio
Scarbaugh, Tamar.....Morrow, Ohio
Tapp, Ethel S.....Hardin, Ohio
Tippin, Mabel E.....Wyandot, Ohio
Terry, Jennie.....Hardin, Ohio
Taylor, C. W. G.....Seneca, Ohio
Tipton, L. J.....Monroe, Ohio
Taylor, Byrle.....Logan, Ohio
Turner, Idessa.....Hardin, Ohio
Tuttle, Shelby M.....Wyandot, Ohio
Tiplady, Leslie.....Wood, Ohio
Towne, Mary.....Wayne, Ohio
Taylor, Flossie.....Lucas, Ohio
Taylor, J. L.....Jefferson, Ohio
Thomson, Marie.....Highland, Ohio
Trissler, Marie.....Hardin, Ohio
Trissler, Fern Fay.....Hardin, Ohio
Uncapher, Anna L.....Marion, Ohio
Underwood, Golda.....Allen, Ohio
Van Horn, Hazel.....Logan, Ohio
Van Horn, Russell.....Logan, Ohio
Vanatta, Daniel F.....Hardin, Ohio
Vandevier, Guy.....Auglaize, Ohio
Vale, Jean P.....Putnam, Ohio
Vanorsdall, Harry.....Fayette, Ohio
Vanorsdall, Alma.....Fayette, Ohio
Wilhelm, W. C.....Crawford, Ohio
Wright, Lotus G.....Wyandot, Ohio
White Ollie E.....Trumbull, Ohio
Westfall, C. W.....Pike, Ohio
Wirick, Hazel.....Morrow, Ohio
Ward, Grace E.....Erie, Ohio
Wilson, Adelia.....Henry, Ohio
Walton, Bertha.....Wyandot, Ohio
Wallace, Mack.....Hardin, Ohio
White, Josephine M....Summit, Ohio
White, Rhoda.....Summit, Ohio
Weaks, Lee.....Henry, Ohio
Winzeler, Verna.....Fulton, Ohio
Wolcott, Nina.....Cuyahoga, Ohio
Wilkinson, Vashti L,Columbiana, Ohio
Weber, Alma.....Hamilton, Ohio
Wright, Susie.....Putnam, Ohio
Weaver, Daisy.....Guernsey, Ohio
Wallender, Nellie.....Ashtabula, Ohio
Wade, R. S.....Hardin, Ohio
Wolfe, Edith R.....Champaign, Ohio
Weaver, Opal.....Morrow, Ohio
Williams, Edith.....Licking, Ohio
Wobler, Minnie J.....Paulding, Ohio
Wollam, Mamie.....Putnam, Ohio
White, Gladys.....Hardin, Ohio
Wilburt, Joseph H....Sandusky, Ohio
Webber, Emma.....Medina, Ohio
Whitmire, Chas.....Starke, Ohio
Washburn, Helen.....Jackson, Ohio
Worthington, Joe.....Richland, Ohio
Wentz, S. H.....Hardin, Ohio
Washer, H. B.....Summit, Ohio
Ware, Ray C.....Ross, Ohio
Wells, J. Burton.....Auglaize, Ohio
Walton, B. F.....Wayndot, Ohio
White, Clyde E.....Clinton, Pa.
Wilkins, W. C.....Champaign, Ohio
Yaney, Ernest.....Mercer, Ohio
Young, Ory.....Hardin, Ohio
Young, Clyde.....Wood, Ohio
Yeo, Burgert, E.....Portage, Ohio
Yoho, Elber.....Union, Ohio
Young, Beatrice.....Wyandot, Ohio
Zimmerman, S. Elizebath.....
.....Somerset, Pa.

English Course

Arnett, T. F.....Monongalia, W. Va.
Cunningham, Eva.....Delaware, Ohio
Compton, Irene.....Coshocton, Ohio
Mooney, Nettie.....Fulton, Ohio
Pond, Helen.....Logan, Ohio
Vrzal, J. M.....Cook, Ill.
Younger, W. S.....Mercer, Ohio

Biblical

Cole, E. E.....Switzerland, Ind.
Chiles, C. D.....Hardin, Ohio
Emerson, E. G.....Wood, Ohio

Special

Barnes, Sylvia.....Richland, Ohio
Benton, D. O.....Delaware, Ohio
Bailey, Gustava.....Logan, Ohio
Chee, Paul.....Panama
Callaghan, Robt. H.....Perry, Ohio
Dick, M.....Hardin, Ohio
Dunford, Chas. S.....Fairfield, Ohio
Frasher, D. R.....Richland, Ohio
Griffith, R. M.....Allen, Ohio
Glaeser, Walter.....Adams, Ill.
Hubler, L. L.....Mahoning, Ohio
Hensel, Elva.....Van Wert, Ohio

Jones, Thomas P.....Jefferson, Pa.
Klingler, T. J.....Hardin, Ohio
Kattmann, G. H.....Auglaize, Ohio
Katterhenry, G. H.....Auglaize, Ohio
Kintner, Leroy.....Carroll, Ohio
Lannan, Thomas C.....Philippine, Is.
Liles, Inez A.....Logan, Ohio
Maury, Grover.....Monroe, Ohio
McCammon, J. W.....Hardin, Ohio
Mell, Howard.....McKean, Pa.
Owens, R. L.....Clearfield, Pa.
Osugi, Kanji.....Tokio, Japan
Raabe, Carlisle.....Putnam, Ohio
Ray, J. W.....Venango, Pa.
Sutton, K. V.....Mahoning, Ohio
Sullivan, T. W.....Auglaize, Ohio
Wollam, Mamie.....Putnam, Ohio

Preparatory

Adams, J. E.....Indiana, Pa.
Andrews, Mary.....Allen, Ohio
Arthurs, Joseph P.....Beaver, Pa.
Adams, Samuel....Doddridge, W. Va.
Barrell, Harry.....Sandusky, Ohio
Ballard, Hazel.....Highland, Ohio
Breuer, J. P.....Winnebago, Ill.
Bassett, M. M.....Erie, N. Y.
Bowen, R. B.....Seneca, Ohio
Blanchard, Forest I.....Shelby, Ohio
Brenneman, R. R.....Allen, Ohio
Boardman, Ray.....Huron, Ohio
Craig, Della.....Ashland, Ohio
Carson, Leroy.....Washington, Pa
Clinger, Raymond C....Wyandot, Ohio
Casey, John B.....Cuyahoga, Ohio
Conklin, A. W.....Rockland, N. Y.
Crawford, J. M.....Beaver, Pa.
Cory, Everett.....Fayette, Ohio
Cecil, Harry.....Barry, Mo.
Cummans, W. W....Hancock, Ohio
Crawford, Elmer.....Hocking, Ohio
Chase, C. H.....Delaware, Ohio
Dauch, Emil O.....Hamilton, Ohio
Dillhoff, Frank.....Mercer, Ohio
Dutton, Maurice E.....Jefferson, Mo.
Durrett, W. H.....Barber, W. Va.
Dickey, T. O.....Monroe, Ohio
Downing, Myrtle.....Wyandot, Ohio
Evans, Anna.....Putnam, Ohio
Farnham, Dana.....Williams, Ohio
Fusselman, Paul.....Williams, Ohio
Farnham, Meade, ...Williams Ohio
Felton, I. D.....Indiana, Pa.
Folk, A. M.....Hancock, Ohio
Fosnaught, E. P.....Allen, Ohio
Forroella, Chas.....Havana, Cuba
Fork, Louis H.....Sandusky, Ohio
Gervenack, John.....Guernsey, Ohio
Gatschell, Ralph.....Allen, Ohio
Grant, H. P.....Starke, Ohio
Hankinson, Otta L.....Fairfield, Ohio
Horn, Emmett.....Madison, Ohio
Hawkins, F. A.....Licking, Ohio
Harrod, Fred.....Auglaize, Ohio
Hummel, Goldie.....Pickaway, Ohio
Hill, Willis J.....Huron, Ohio
Johns, Marvin C.....Allegheny, Pa.
Knoble, Clifford.....Allen, Ohio
Kalchthaler, B. Jr.....Allegheny, Pa.
Kennedy, Ralph W.....Union, Ohio
Keller, Paul E.....Marion, Ohio
Karpis, John.....McHenry, Ill.
Kraft, Francis I.....Hardin, Ohio
Kissinger, F. C.....Indiana, Pa.
Killian, E. E.....Allegheny, Pa.
Keller, Wilson E.....Auglaize, Ohio
Keister, James L.....Wayne, Ohio
Kellogg, Lalah.....Wyandot, Ohio
King, Wade S.....Hancock, Ohio
Loonam, P. W.....St. Charles, Mo.
Lockhart, C. H.....Jackson, W. Va.
Laser, Charles.....Richland, Ohio
Lawrence, Gladys M.....Marion, Ohio
Mac Dowell, L.....Churchhill, Nevada
Mc Kinlock, W. W.....
.....New London, Conn.
McCauley, Wm.....Tuscarawas, Ohio
McKelvey, Wm. T.....Erie, Pa.
Montgomery, Josephine.....
.....Auglaize, Ohio
Manley, A. B.....Chautauqua, N. Y.
McCrory, Arthur.....Crawford, Ohio
McGranahan, H. A.....Mercer, Pa.
Maus, J. D.....Allen, Ohio
McKinley, R. E.....Clarion, Pa.
Perry, Branch.....Huron, Ohio
Parsons, C. D.....Athens, Ohio
Plenderleith, Robert, Washington, Pa.
Pond, Dallas.....Paulding, Ohio
Pugh, Essie.....Jackson, Ohio
Portz, H. G.....Coshocton, Ohio
Rico, Manuel.....Mexico
Ritter, Carl.....Montgomery, Ohio
Rice, Edward W.....Kent, Md.
Riley, D. P.....Allen, Ohio
Ramsdell, Blaine.....Hardin, Ohio
Ronk, Rudolph.....Licking, Ohio
Smith, Dale.....Williams, Ohio
Smith, Russell.....Venango, Pa.
Stambaugh, John.....Hardin, Ohio
Stevenson, Milton.....Union, Ohio
Schnitzer, Wm. J.....Tuscarawas, Ohio
Sells, H. J.....Hardin, Ohio
Sheller, Alvin.....Hardin, Ohio
Sultzbach, Charles.....Clark, Ohio
Tressel, Ray.....Hardin, Ohio
Towsend, John.....Hardin, Ohio
Tiplady, Floyd.....Wood, Ohio
Troutwein, G. E.....Wyandot, Ohio
Templeton, H. D....Muskingum, Ohio
Trovillo, Sam H. Jr.....Ross, Ohio
Tigner, Clarence B.....Hardin, Ohio
Vrzal, J. M.....Cook, Ill.
Wilson, Wm S.....Marion, Ohio
Waud, H. E.....Tuscarawas, Ohio
Wheeler, Smith A.....Huron, Ohio
Wentz, Ruth.....Hardin, Ohio
Whisler, Lehr.....Hancock, Ohio
Yeoman, Ollie.....Madison, Ohio
Zimmerman, J. B.....Butler, Pa.
Zellar, Della.....Hardin, Ohio

Unclassified

Cunningham, D. S.....Hardin, Ohio
Hill, Joe.....Hardin, Ohio
Hill, Pierrle.....Hardin, Ohio
Mahan, Clara.....Hardin, Ohio
McElroy, Hazel.....Hardin, Ohio
McCoppin, George.....Hardin, Ohio
Montgomery, Fern.....Hardin, Ohio
Ream, Viola.....Hardin, Ohio
Ream, A. W.....Hardin, Ohio
Snyder, Beatrice.....Hardin, Ohio
Shurtz, D. D.....Hardin, Ohio
Stout, Mary.....Hardin, Ohio
Smith, Rachel.....Hardin, Ohio
White, Gladys.....Hardin, Ohio
Welsh, Opal.....Hardin, Ohio

COLLEGE OF ENGINEERING

Civil

Archer, Arthur.....Belmont, Ohio
Ammon, F. E.....Mifflin, Pa.
Ash, Charles.....Hardin, Ohio
Alverez, Fredico....Cagnac, Porto Rico
Bell, Charles.....LaGrange, Ind.
Bieler, Henry S.....Montgomery, Pa.
Barrell, Harry.....Sandusky, Ohio
Bricker, M. C.....Williams, Ohio
Baumgartner, W. J., Philadelphia, Pa.
Biggs, C. T.....Loriane, Ohio
Baughman, Ross.....Hancock, Ohio
Baxter, H. D. G.....Sanilac, Mich.
Bair, Geo, L.....York, Pa.
Bown, Wm.....Luzerne, Pa.
Brown, A. B.....Guernsey, Ohio
Bruner, Fred.....Lycoming, Pa.
Brandon, R. E.....Wood, Ohio
Bryson, C. H.....Allen, Ohio
Bruce, F. M.....Erie, Ohio
Barney, H. A....Columbia, So, Am.
Becker, Marcus S....Philadelphia, Pa.
Blosser, C. T.....Wayne, Ohio
Bauman, C. T.....Hardin, Ohio
Bradt, E. R.....Wyoming, N. Y.
Baer, H. E.....Somerset, Pa.
Berridge, R. E.....Ashtabula, Ohio
Bender, Chas. F.....Portage, Ohio
Brast, Chas.....Belmont, Ohio
Burnette, F. R.....Trumbull, Ohio
Cragg, R. B.....New Haven, Conn.
Carpenter, C. C.....Shelby, Ohio
Coensparger, Curtis.....Allen, Ohio
Clark, Charles.....Hancock, Ohio
Campo, Alfonso....Columbia, So. Am.
Davis, Seymour.....Franklin, Pa.
Davis, W. J.....Gallia, Ohio
Dittman, Rehfuss....Philadelphia, Pa.
Diefendorf, A.....Essex, N. J.
Daugherty, Geo. E....Jefferson, Pa.
Daubenspeck, H. R.....
.....Summers, W. Va.
Dutton, V. M.....Marion, Ohio
Dinsmore, J.....Shelby, Ohio
Dudley, D. G.....Gurnsey, Ohio
Enterline, M. O.....Jefferson, Pa.
Emery, H. B.....Henry, Ohio
Edwards, Chester.....Licking, Ohio
Evans, R. E.....Mercer, Pa.
Eakin, J. M.....Greene, Pa.
Edwards, E. L.....Medina, Ohio
Evans, O. E.....Union, Ohio
Elvers, G. C.....Warren, Ohio
Frezzell, E. R.....Franklin, Mass.
Fine, R. D.....Hudson, N. J.
Fry, Andrew, J.....Tippecanoe, Ind.
Fairchild, W. C.....Fayette, Pa.
Farrell, Bliss.....Hancock, Ohio
Freund, Norman.....Hardin, Ohio
Ford, D. C.....Woods, Okla.
Frye, V. A.....Ottawa, Ohio
Fomorin, L.....Clermont, Ohio
Goodlander, Joseph....Clearfield, Pa.
Graham, Ivan.....Union, Ohio
Goodwin, R. S....New Haven, Conn.
Gillen, E. T.....Summit, Ohio
Grenader, M. A.....Kieff, Russia
Grau, C. G.....Allegheny, Pa.
Griffith, C. P.....Portage, Ohio
Gillespie, Chas.....Marion, Ohio
Gilbert, Donald F.....Steuben, Ind.
Gold, Max.....Philadelphia, Pa.
Grinnell, W. H.....Starke, Ohio
Gard, C. A.....Jackson, Ohio
Heist, M. D....Salt Lake City, Utah
Hodge, W. B.....Logan, Ohio
Hafele, F.....New York, N. Y.
Hamilton, J. W.....Allen, Ohio
Higus, Neil N.....Hennepin, Minn.
Henneman, R. E....Hennepin, Minn.
Hatcher, T. V.....Logan, Ohio
Huff, Francis.....Coshocton, Ohio
Hord, H. F.....Marion, Ohio
Herrick, E. R.....Starke, Ohio
Hamilton, J. W.....Allen, Ohio
Hanson, Myron.....Kent, Mich.
Howell, B. D.....Essex, N. J.
Henderson, Geo.....New York, N.Y.
Hayes, L. A.....Madison, Ohio
Hutton, F. D.....New York, N. Y.
Hartwell, W. C.....Trumbull, Ohio
Hagist, C. E.....Hartford, Conn.
Hoffman, E. H.....Wyandot, Ohio
Hopkins, M. D.....Hancock, Ohio
Helmreich, Harry....Tuscarawas, Ohio
Irwin, W. B.....Logan, Ohio
Joseph, A. A.....Wood, Ohio
Jackson, R. E....Multnomah, Oregon
Johann, Wm.....Van Wert, Ind.

Jones, Fremont.....Allegheny, Pa.
Jackson, M. A.....Woodford, Ky.
Jones, Sam.....Starke, Ohio
June, Orrin A.....Allen, Ohio
Kriegbaum, A. R.....Clark, Ohio
Knoblock, Geo. H....Columbiana, Ohio
Kerns, Lawrence.....Hardin, Ohio
Ketcham, Clarence L.,Astabula,Ohio
King, Hiram J. Jr.....Logan, Ohio
Kennedy, Ralph W.....Union, Ohio
Linn, W. M.....Venango, Pa.
Lyle, L. V.....Hardin, Ohio
Little, A. V.....Cambria, Pa.
Lipp, V. J.....Mahoning, Ohio
Lindemuth, Ross.....Paulding, Ohio
Loonam, P. W.....St. Charles, Mo.
Luther, G. M.....Erie, Pa.
Leapley, O. G.....Shelby, Ohio
Lewis, I.....Philadelphia, Pa.
McDonald, N. G....Coshocton, Ohio
Morrell, B. F.....Tarrant, Texas
McGeehan, Frank....Mahoning, Ohio
Moore, F. L.....Allen, Ohio
Moore, John C.....Jefferson, Ohio
Mohr, R. E.....Montgomery, Ohio
Meighan, J. J.....Cook, Ill.
Mann, J. C.....Logan, Ohio
McCombs, Chalmer M.....
.....Washington, Pa.
Maurer, C. A.....Shelby, Ohio
McManus, S. M.....Cambria, Pa.
McCrory, Albert....Washington, Pa.
Morrison, Thomas.....Noble, Ohio
Martin, A. C.....Washington, Pa.
Morris, Reuben.....Allen, Ind.
Mac Falls, F. V.....Blair, Pa.
Marty, Roy.....Hardin, Ohio
Maxwell, M. P.....Ohio, W. Va.
Murphy, A. C.....Belmont, Ohio
McClure, A. E.....Renssalaer, N. Y.
Moorehead, B. M....Guernsey, Ohio
Moorehead, D. L.....Guernsey, Ohio
McCreary, W. K....Marshall, W. Va.
Manley, A. B.....Chautauqua, N. Y.
Maurer, Edward.....Shelby, Ohio
Myers, Palmer N.....Allegheny, Pa.
Maury, Grover.....Monroe, Ohio
Monks, Wm. E.....Butler, Pa.
Marshall, C. C.....Armstrong, Pa.
Noble, E. A.....Columbiana, Ohio
Neiswander, C. W.....Allen, Ohio
O'Connor, E. D.....Cambria, Pa.
Ogan, Charles.....Guernsey, Ohio
Plasic, Jack.....Fairfield, Conn.
Philpott, Austin.....Henry, Ohio
Potts, John.....Otsego, N. Y.
Peterson, Neil, H.....Hardin, Ohio
Price, Paul.....Hardin, Ohio
Presler, F. A.....Seneca, Ohio
Ruso, W.....Sancti Spritis, Cuba
Richie, F. R.....Summit, Ohio
Roach, T. L.....Licking, Ohio
Reeb, Earl.....Paulding, Ohio
Rothermund, K. L....Belmont, Ohio
Ries, C. F.....Hardin, Ohio
Randles, C. O.....Cochocton, Ohio
Raymond, Edw. A....Jefferson, N. Y.
Rowe, B. E.....Cuyahoga, Ohio
Rios, Placido.....Havana, Cuba
Sether, W. R.....Douglass, Oregon
Shelby ,C. C.....Allegheny, Pa.
Schroeder, C. N.....Blair, Pa.
Stamets, Ralph.....Allegheny, Pa.
Strombach, V. H.....Essex, N. J.
Snyder, E. Guy.....Paulphin, Pa.
Saladin, W. C.....Huron, Ohio
Stokeley, Blaine.....Scioto, Ohio
Starford, Wm.....Taylor, W. Va.
Schellenberg, C. F.....Ohio, W. Va.
Stewart, S. E.....Daulphin, Pa.
Sherrick, A. H.....Fayette, Pa.
Stevenson, Milton.....Union, Ohio
Straessley, H. G.....Elk, Pa.
Somers, John.....Seneca, Ohio
Stanfield, F. D.....Logan, Ohio
Turcott, Wm.....Iosco, Mich.
Thomas, Daniel S....Lackawanna, Pa.
Turley, A. P.....Putnam, W. Va.
Tiplady, Floyd.....Wood, Ohio
Troutwein, G. E.....Wyandot, Ohio
Thompson, R. W.....Trumbull, Ohio
Turner, C. W.....Logan, Ohio
Unckrich, A. F.....Crawford, Ohio
Vogt, Elmer O.....Stark, Ohio
Vance, James H....Westmoreland, Pa.
Will, W. G.....Wyandot, Ohio
Wood, Chas. I.....Madison, Ohio
White, R. R.....Clay, Ky.
Wickard, Carl A.....Wayne, Ohio
Wells, J. F.....Beaver, Pa.
Wilson, C. A.....Mahoning, Ohio
Wilson, F. I.....Lawrence, Pa.
Wagner, M. A...Westmoreland, Pa.
Wendelken, H. W.....Scioto, Ohio
Williams, Albert.....Licking, Ohio
Wetzel, E. A.....Seneca, Ohio
Wallace, R. J.....Huntington, Pa.
Walsh, E. R.....Loraine, Ohio
Wickard, Carl.....Wayne, Ohio
Wismar, L. H.....Wood, Ohio
Woodworth, J. G....Ashtabula, Ohio
Wick, Roy.....Butler, Pa.
Yount, W. R.....Montgomery, Ohio
Zeigler, L. E.....Clarke, Ohio

Mechanical

Alter, Herbert F.....Allegheny, Pa.
Ash, Charles.....Crawford, Ohio
Baumgartner, W. J.....
.....Philadelphia, Pa.
Bruner, Fred.....Lycoming, Pa.
Beattie, D. E.....Franklin, Ohio
Cloyd, John.....Huntington, Pa.
Clark, C. K.....Mahoning, Ohio
Damon, C. J.....Henry, Ohio
Duvall, C. A.....Washington, Pa.
Eicher, Hubert C.....
.....Westmoreland, Pa.

Gilliland, F. N.....Van Wert, Ohio
Good, H. E.....Van Wert, Ohio
Grinnell, Oliver.....Stark, Ohio
Hoffman, Harry W....Lancaster, Pa.
Jones, Fremont.....Allegheny, Pa.
Kaufman, E. W....Montgomery, Ohio
Mollenauer, F. S...Washington, Pa.
MacNish, Thos.....New Haven, Conn.
McKillip, M. L.....Fayette, Ohio
McCrory, Arthur.....Crawford, Ohio
Murray, Geo. E.....Lucas, Ohio
Noble, E. A.....Columbiana, Ohio
Olson, Charles I..... Pueblo, Colo.
Rice, Byron.....Marion, Ohio
Shriver, H. L....Monongalia, W. Va.
Small, Guernsey, ...Hamilton, Ohio
Shaffer, Forest E.....Clarke, Ohio
Thurston, E. B.....Oakland, Mich.

Electrical

Anderson, E. R.....Elk, Pa.
Arter, Roy C.....Crawford, Ohio
Applegate, Roy.....Paulding, Ohio
Aranhe, G. B.....Brazil, S. Am.
Axtelle, George.....Mercer, Pa.
Betts, G. A.....Fairfield, Conn.
Breuer, John P.....Winnebago, Ill.
Betts, W. A.....Fairfield, Conn.
Bates, Myron N.....Lycoming, Pa.
Clayton, J. M.....St. Charles, Mo.
Conn, D. W.....Van Wert, Ohio
Carlisle, Geo. L.....Clearfield, Pa.
Clark, Lloyd V.....Ashtabula, Ohio
Carmer, Ray.....Chemung, N. Y.
Cano, Leopoldo A....Chiapas, Mexico
Cottrell, W. J.....Mesa, Colo.
Dicke, O. H.....Auglaize, Ohio
Ervin, J. S.....Sandusky, Ohio
Foltz, Parley J.....Hardin, Ohio
Ford, Tom L.....Allen, Ohio
Graze, D. B.....Starke, Ohio
Gervenack, John.....Guernsey, Ohio
Gasser, F. O.....Henry, Ohio
Hanselman, E. E.....Brown, Ohio
Harbaugh, V. D. L....Ashland, Ohio
Henderson, H. M.....Franklin, Pa.
Hughes, Grover A.....Darke, Ohio
Hays, H. L.....Madison, Ohio
Jones, Raphael.....Allegheny, Pa.
Johnston, J. Corwin.....Franklin, Pa.
Keefer, Glenn.....Paulding, Ohio
Knoop, Roy M.....Miami, Ohio
Krider, Benson.....Van Wert, Ohio
Keller, H. H.....Allegheny, Pa.
Lentz, G. W.....Monroe, Ohio
McAnlis, I. J.....Lawrence, Pa.
Morrell, B. F.....Tarrant, Texas
McCracken, R. A.....Blair, Pa.
Moore, F. L.....Allen, Ohio
McKinlock, W. W.....Hardin, Ohio
Myers, Cloyd.....Wood, Ohio
Morrison, H. C.....Crawford, Ohio
Neiswander, Roy.....Lucas, Ohio
Olson, C. I.....Pueblo, Colo.
Porter, James.....Crawford, Ohio
Phelps, E. H.....Raleigh, W. Va.
Parker, H. V.....Licking, Ohio
Penquite, Pearl.....Clark, Ohio
Peterson, Emery.....Warren, Pa.
Rothrock, Paul.....Hardin, Ohio
Roberts, L. A.....Ashtabula, Ohio
Sneary, L. E.....Hardin, Ohio
Stecker, C. B....West Chester, N. Y.
Smith, Russell.....Venango, Pa.
Sparks, V. P.....Highland, Ohio
Shepherd, Albert.....Belmont, Ohio
Shaffer, Irwin....Westmoreland, Pa.
Tomlinson, Harry..... Lawrence, Pa.
Thurston, E. B.....Oakland, Mich.
Timbers, H. H.....Van Wert, Ohio
Trench, E. E.....New Haven, Conn.
Wood, Chas I.....Madison, Ohio
White, Richard L.....DeKalb, Ind.
Wright, Harry.....Chemung, N. Y.
Wood, L. P.....Morgan, Ohio
Wagner, W. C.....Hardin, Ohio
Whittington, Minor.....Allen, Ohio
Wetmore, Fred.....Warren, Pa.
Young, Oliver.....Putnam, Ohio

Mining

Menges, N. W.....Huron, Ohio
Owen, E. E.....Fayette, W. Va.
Scott, Lawson.....Guernsey, Ohio
Starford, Wm.....Taylor, W. Va.

Architecture

Campbell, J. B.....Marion, Ohio
Balyeat, V. R.....Van Wert, Ohio
Janeway, J. B....Westmoreland, Pa.
Jones, Frank.....Belmont, Ohio
Klotz, A. E.....Stark, Ohio
Kiebler, M. W.....Guernsey, Ohio
Kissinger, M. C.....Indiana, Pa.
Landon, B. O.....Hardin, Ohio
Miller, V. D.....Darke, Ohio
Schroeder, C. N.....Blair, Pa.
Snader, D. L.....Baltimore, Md.
Stewart, W. E.....Mahoning, Ohio
Unger, Wm.....Crawford, Ohio
Van Scoyoc, Lee.....Blaire, Pa.

COLLEGE OF LAW

Ashcraft, H. C....Muskingum, Ohio
Allan, Wm. A. D....Lackawanna, Pa.
Ashcraft, D. L.....Muskingum, Ohio
Bales, Heber.....Hardin, Ohio
Bond, Allen.....Belmont, Ohio
Baxter, R. A.....Allen, Ohio
Brower, H.....Howell, Mich.
Brumbaugh, V. V.....Preble, Ohio
Coulter, L. E.....Morgan, Ohio
Cannon, Harry.....Fayette, Ohio
Clegg, S. R.....Monroe, Ohio
Doody, Wm.....Jackson, Ohio
Eberhart, J. P.....Allegheny, Pa.
Elkens, W. L.....Lawrence, Ohio
Ely, Milo C.....Coshocton, Ohio
Fisher, John C.....Auglaize, Ohio
Farrell, T. C.....Allen, Ohio
Fleming, W. A.....Columbiana, Ohio
Ford, Perry.....Putnam, Ohio
Farrell, D. P.....Washington, Ohio
Friesner, Chas. E.....Seneca, Ohio
Forest, C. R.....Portage, Ohio
Hammond, H. W....Columbiana, Ohio
Hallinan, Wm S.....Summit, Ohio
Howarth, E. B.....Oakland, Mich.
Hockman, Port A.....Defiance, Ohio
Hough, B. R.....Beaver, Pa.
Mitchell, S. B.....Lawrence, Pa.
Marshall, P. R.....Somerset, Pa.
McBride, E. M.....Mahoning, Ohio
McCartney, J. R.....Trumbull, Ohio
Myers, Emery.....Putnam, Ohio
Melvin, F. E.....Lawrence, Ohio
Oster, John E.....Henry, Ohio
Price, O. W.....Fayette, Ohio
Pennock, H. W.....Stark, Ohio
Pettiford, O. C.....Hardin, Ohio
Rosenblum, Eli.....Lucas, Ohio
Ream, H. G.....Summit, Ohio
Swart, Jacob.....Washington, Pa.
Shela, L. E.....Scioto, Ohio
Simpson, W. Earl....Belmont, Ohio
Smith, Harold.....Seneca, Ohio
Shaufelberger, A. D....Seneca, Ohio
Tucker, Otis.....Ashland, Ohio
Taylor, Elmer.....Iroquois, Ill.
Townsend, Miles W.....Ross, Ohio
Wise, C. G.....Summit, Ohio
Williams, Chas. G....Coshocton, Ohio
Webster, E. L.....Ottawa, Ohio
Wilkins, Xury.....Mahoning, Ohio
Ziegler, E. G.....Ashland, Ohio
Zeller, Stanley.....Hardin, Ohio

COLLEGE OF PHARMACY

Arnold, J. F.....Vinton, Ohio
Anderson, H. H.....Brown, Ohio
Butler, E. M.....Putnam, Ohio
Bishop, Marion.....Belmont, Ohio
Biglow, Glenn A.....Putnam, Ohio
Blayney, J. B.....Washington, Pa.
Bohrer, A. J.....Lucas, Ohio
Borden, Fred L.....Hardin, Ohio
Butler, Guy C.....Allen, Ohio
Barthlow, R. J .....Franklin, Ohio
Baker, Perry.....Mercer, Ohio
Brown, Nicholas.....Erie, Ohio
Baker, Carl.....Darke, Ohio
Crandall, Almeron.....Loraine, Ohio
Crandall, Miriam.....Loraine, Ohio
Crummett, H. B.....Cabel, W. Va.
Carter, J. C.....Allegheny, Pa.
Dandurand, G.....Jefferson, N. Y.
Day, J. B.....Hancock, Ohio
Davis, Francis D.....Licking, Ohio
Drury, Wm. R.....Athens, Ohio
Dent, L. H.....Monongalia, W. Va.
Donovan, John.....Hardin, Ohio
Ebert, Carl.....Pickaway, Ohio
Emch, Garrett.....Sandusky, Ohio
Fields, Mabel.....Paulding, Ohio
Flynn, C. M.....Washington, Pa.
Hughes, Harry.....Brown, Ohio
Howell, Ada Lee.....Harrison, Ohio
Henry, R. A.....Huntington, Pa.
Horn, Raymond R....Auglaize, Ohio
Hart, Grover F.....Licking, Ohio
Hicks, DeWitt.....Seneca, Ohio
Hoffman, H. L.....Putnam, Ohio
Hart, Albert H.....Erie, Ohio
Holder, Lillian A.....Fayette, W. Va.
Johnston, Paul.....Defiance, Ohio
Jones, Carl.....Clarke, Ohio
Jones, F. L.....Hancock, Ohio
Kabler, Geo. H.....Cambria, Pa.
Longstreet, W. B....Montgomery, Ohio
Lee, F. A.....Brookholm, Canada
Lester, W. J.....Medina, Ohio
Liggett, C. M.....Morrow, Ohio
McCullough, W. A.....Hardin, Ohio
Morgan, Gomer....Tuscarawas, Ohio
Morse, G. B.....Champaign, Ohio
Mull, H. R.....Putnam, Ohio
Myers, Lewis.....Putnam, Ohio
McLaughlin, H. A.....Perry, Ohio
Morgan, G. I.....Henry, Ohio
Newhart, Mark E.....Blair, Pa.
Owens, Oscar.....Adams, Ohio
Ohly, Phil.....Ottawa, Ohio
Otstot, W. H.....Clarke, Ohio
Pontius, Merle.....Wayne, Ohio
Payne, Guy.....Barber, W. Va.
Patterson, D. S.....Wood, Ohio
Porter, Walker.....Floyd, Ky.
Ritter, Carl.....Montgomery, Ohio
Reineke, Henry.....Defiance, Ohio
Richardson, P. H....Franklin, Ohio
Richards, Earl.....Washington, Ohio
Raabe, R. H.....Putnam, Ohio
Rayle, C. M.....Columbiana, Ohio
Smith, D. H.....Van Wert, Ohio

Schauwecker, Max.....Tusca rawas, Ohio
Sylvester, John.....M ion, Ohio
Strayer, S. C.....M ion, Ohio
Steinle, B. F.....elby, Ohio
Sealover, A. F.....Mu kingum, Ohio
Sawtelle, J. B.....P tnam, Ohio
Schrimp, A. B.....A laize, Ohio
Stout, John.....Cle mont, Ohio
Snyder, Ross H.....Madison, Ohio
Swoveland, O. M.....Van Wert, Ohio
Smith, Grover C.....Clearing, Pa.
Smith, A. H.....Hardin, Ohio
Tweedy, G. W.....Jefferson, Ohio
Welsh, O. M.....Geauga, Ohio
Wilson, R. R.....Marshall, W. Va.
Willson, Roy B.....Pike, Ohio
Wiltshire, A. C.....Allegheny, Pa.

Organic Chemistry

Barthlow, R. J.....Franklin, Ohio
Baker, Perry.....Mercer, Ohio
Crafts, Earl.....Hardin, Ohio
Carpenter, O. F.....Paulding, Ohio
Crissey, Edith.....Hardin, Ohio
Donovan, John.....Hardin, Ohio
Hartwell, E. G.....Trumbull, Ohio
Liggett, C. M.....Morrow, Ohio
Moore, Frank L.....Allen, Ohio
Myers, Lewis.....Putnam, Ohio
Okley, Phil.....Ottawa, Ohio
Plummer, L. E.....Paulding, Ohio
Patterson, Dawson.....Wood, Ohio
Rinehart, E. C.....Hancock, Ohio
Richards, Earl.....Washington, Ohio
Stutsman, W. H.....Sullivan, Ind.
Swart, Jacob.....Washington, Pa.
Schmeid, J. W.....Hamilton, Ohio
Smith, A. H.....Hardin, Ohio
Wilson, R. B.....Pike, Ohio
Wiltshire, A. C.....Allegheny, Pa.

Volumetric and Gravimetric Analysis

Brickey, D. F.....Hancock, Ohio
Brown, E. H.....Westmoreland, Pa.
Byrd, G. C.....Allen, Ohio
Baxter, D. G.....Alleghany, Pa.
Brown, N. P.....Erie, Ohio
Baker, Perry.....Mercer, Ohio
Cusac, W. Ray.....Hancock, Ohio
Crabbs, H. R.....Jefferson, Ohio
Donovan, John.....Hardin, Ohio
Fischer, A. F.....Cook, Ill.
Falter, F. J.....Lawrence, Ohio
Fearing, Fred.....Montgomery, Ohio
Heaton, G. S.....Spokane, Wash.
Mercer, G. A.....Wood, Ohio
Mellott, M. H.....Clark, Ohio
Plummer, L. E.....Paulding, Ohio
Pennywitt, Harry.....Cabell, W. Va.
Richardson, Pierce.....Franklin, Ohio
Swart, Jacob.....Washington, Pa.
Sherrick, A. H.....Fayette, Pa.
Thatcher, W. C.....Pickaway, Ohio
Wooley, C. A.....Franklin, Ohio
White, H. H.....Wayne, Ohio
Woodrow, F. S.....Jackson, Ohio

Pharmaceutical Chemistry

Lonz, Geo. F.....Ottawa, Ohio
Sherrick, A. H.....Fayette, Pa.
White, H. H.....Wayne, Ohio

COLLEGE OF COMMERCE

Business

Arnold, Wm.....Hancock, Ohio
Baer, H. E.....Somerset, Pa.
Betts, G. A.....Fairfield, Conn.
Blake, Emerson.....Allegheny, Pa.
Brandeberry, A. E.....Seneca, Ohio
Bache, A. G.....Brown, Ohio
Bailey, J. M.....Marion, Ohio
Brown, M. P.....Allegheny, Pa.
Bickel, Maude M.....Randolph, Ind.
Brittin, Bruce.....Champaign, Ohio
Bear, Otis J.....Crawford, Ohio
Bovard, E. J.....Mercer, Pa.
Bedford, Edna.....Allen, Ohio
Criswell, Robert, M.....Brown, Ohio
Carson, W. C.....Washington, Pa.
Carmean, Harry, S.....Crawford, Ohio
Carmean, Theodore, ...Marion, Ohio
Crago, James T.....Greene, Pa.
Deitrich, H. E.....Center, Pa.
Dieker, Fred.....Wood, Ohio
Dodge, John.....Union, Ohio
Dixon, Floyd.....Pike, Ohio
Erwin, Lewis B.....Union, Ohio
Elliott, H.....Logan, Ohio
Fish, Emil.....Union, Ohio
Fletcher, D. A.....Hardin, Ohio
Gallant, Irvin.....Hardin, Ohio
Heatlie, Oscar.....Chippewa, Wis.
Hatcher, T. V.....Logan, Ohio
Huffman, Harrison, ...Wood, Ohio
Hart, Blake A.....Seneca, Ohio
Hart, Elmer J.....Loraine, Ohio
Henry, Alfred.....Indiana, Pa.
James, W. W.....Washington, Pa.
King, O. C.....Sandusky, Ohio
Kerr, W. J.....Crawford, Ohio

Longenecker, C. G....Wabash, Ind.
Luellen, Wm. A.....Marion, Ohio
Liggett, D. P.....Union, Ohio
Morin, Henry.....Hardin, Ohio
Mumma, H. A.....Seneca, Ohio
Moore, Arthur H.....Huron, Mich.
McDougle L.....Auglaize, Ohio
McCormick, Taylor.....Indiana, Pa.
Markwood, W. W.....Hardin, Ohio
Moore, Ben.....Champaign, Ohio
McGinnis, Delbert.....Hardin, Ohio
Mock, J. C.....Greene, Pa.
Newman, Guy.....Wyandot, Ohio
Nott, Alice Belle.....Seneca, Ohio
Partington, Perry.....Shelby, Ohio
Palmer, Mant.....Van Wert, Ohio
Patterson, P. H.....Summit, Ohio
Prior, Chas.....Logan, Ohio
Ream, Clarence S.....Hardin, Ohio
Rennick, W. J.....Ashtabula, Ohio
Sidener, R. H.....Allen, Ohio
Stumm, C. E.....Hardin, Ohio
Shook, Meda.....Wyandot, Ohio
Schiff, Harry.....Hardin, Ohio
Stilwell, R. G.....Fayette, Pa.
Smith, Harold.....Seneca, Ohio
Schiff, Milton.....Hardin, Ohio
Stuckey, John A.....Champaign, Ohio
Shuster, R. B.....Hardin, Ohio
Stevenson, R. W.....Hardin, Ohio
Sanderson, Paul.....Hardin, Ohio
Schird, Frank.....Wyandot, Ohio
Sharp, Earl.....Pike, Ohio
Smith, Daniel A.....Perry, Ohio
Templeton, Cora.....Hardin, Ohio
Wagner, I R.....Carroll, Ohio
Wynkoop, J. F.....Wyandot, Ohio
Wakefield, D. H.....Jackson, Ohio
Wollingford, Don.....Hardin, Ohio
Wollam, Edith.....Putnam, Ohio
Yeager, Guy U.....Hardin, Ohio

Stenography and Typewriting

Bentley, Hazel.....Hardin, Ohio
Barton, Frank.....Hardin, Ohio
Brewster, Maud.....Cuyahoga, Ohio
Blake, Emerson.....Allegheny, Pa.
Brown, M. P.....Allegheny, Pa.
Bailey, J. M.....Marion, Ohio
Boone, Ray.....Hardin, Ohio
Frueh, Leo.....Allen, Ohio
Fields, John A.....Union, Ohio
Porter, Mabel.....Hardin, Ohio
Smee, M. W.....Juniata, Pa.
Spengler, Mary.....Fulton, Ohio
Saltz, F. S.....Hancock, Ohio
Schaufelberger, A.....Seneca, Ohio
Taylor, H. A.....Jefferson, Ohio
Wood, J. O.....Summit, Ohio

Special Penmanship

Bruhlman, H. G.....Fulton, Ohio
Beckham, Bess.....Union, Ohio
Chambers, Jennie.....Franklin, Ohio
Carey, Lulu.....Paulding, Ohio
Carey, Nelle.....Paulding, Ohio
Conkle, Lena.....Knox, Ohio
Fent, Ralph.....Hardin, Ohie
Forney, T. G.....Tuscarawas, Ohio
Holton, Olive.....Hardin, Ohio
Hughes, Norma.....Holmes, Ohio
McCormick, Bertha.....Indiana, Pa.
Plenderleith, Robert.....
.....Washington, Pa.
Ream, Wm.....Hardin, Ohio
Raabe, Augusta.....Putnam, Ohio
Thomas, O. B.....Hardin, Ohio
Templeton, Cora.....Hardin, Ohio
White, Leah.....Allen, Ohio
Wolcott, Nina.....Putnam, Ohio

COLLEGE OF EXPRESSION

Appleman, Grace....Richland, Ohio
Bryant, F. N.....Broome, N. Y.
Bunston, H. W.....Wayne, Mich.
Bloom, Milton.....Allen, Ohio
Bruner, Fred.....Lycoming, Pa.
Bowman, Bessie.....Lucas, Ohio
Craig, Della.....Ashland, Ohio
Chappell, Florence E.....Union, Ohio
Collins, Walter.....Darke, Ohio
Crawford, C. C.....Guernsey, Ohio
Coulton, L. E.....Morgan, Ohio
Doty, A. M.....Los Angeles, Calif.
Dodge, Emma.....Union, Ohio
Donaghy, Elizabeth.....Hardin, Ohio
Eibling, Mary.....Hardin, Ohio
Emerson, E. G.....Wood, Ohio
Edwards, Katherine.....Hardin, Ohio
Freeland, H. D.....Greene, Pa.
Fife, Ray.....Van Wert, Ohio
Faust, Edna M.....Franklin, Ohio
Fleming, W. A....Columbiana, Ohio
Garl, Goldie.....Summit, Ohio
Grim, H. S.....Fayette, Pa.
Howarth, E. B.....Oakland, Mich.
Hamilton, R. R.....Starke, Ohio
Henry, Alfred.....Indiana, Pa.
Hiester, Georgia....Van Wert, Ohio
Jones, Florence.....Hardin, Ohio
Johnson, Juniata.....Hardin, Ohio
Jolley, L. H.....Union, Ohio
Ketzenberger, E. L.....Wood, Ohio
Keckley, Ina B.....Union, Ohio
Kurtz, C. F.....Cumberland, N. J.
Krout, Lillian.....Hardin, Ohio
Lee, Lotta.....Union, Ohio
Lanker, P. T.....Wyandot, Ohio

Lanker, Faerie.....Wyandot, Ohio
Monroe, C. E.....Guernsey, Ohio
Morgan, Jessie.....Wood, Ohio
Mitchell, John W.....Lawrence, Pa.
Meyers, Jessie.....Putnam, Ohio
Ottmer, Helen....Washington, Wis.
Odor, Geo. W.....Logan, Ohio
Owens, R. L.....Clearfield, Pa.
Powell, Ida.....Madison, Ohio
Raabe, Olga.....Putnam, Ohio
Royer, Carl E.....Stark, Ohio
Riggle, D. E.....Richland, Ohio
Riggle, C. B.....Richland, Ohio
Smyth, B. F.....Middlesex, Mass.
Shaufelberger, A. D.....Seneca, Ohio
Smith, Clarence, ...Butler, Pa.
Smith, Emma H.....Franklin, Ohio
Smith, Lulu, E.....Putnam, Ohio
Swihart, Metta.....Wyandot, Ohio
Strothers, R. L....Harrison, W. Va.
Stout, Maude.....Logan, Ohio
Totten, Luwella.....Trumbull, Ohio
Townsend, Miles W.....Ross, Ohio
Thomas, Maud.....Jackson, Ohio
Wilson, Wm. S.....Marion, Ohio
White, Leah.....Allen, Ohio
Wellamn, Fred.....Wood, Ohio
Wright, Susie.....Putnam, Ohio
Yerger, John H.....Berke, Pa.

COLLEGE OF MUSIC

Voice

Arthurs, Joseph P.....Beaver, Pa.
Briggs, Grace E.....Hardin, Ohio
Beckham, Bess.....Union, Ohio
Brown, Mabel.....Hardin, Ohio
Burns, Mrs, Lillian....Wyandot, Ohio
Carey, Nelle.....Paulding, Ohio
Cunningham, Eva.....Delaware, Ohio
Edwards, E. L.....Medina, Ohio
Greninger, Fred R .....Clinton, Pa.
Howell, Mabel G.....Auglaize, Ohio
Hughes, Norma.....Holmes, Ohio
Huggett, Adah.....Hardin, Ohio
Jones, R. A.....Wyandot, Ohio
Jones, Jennie.....Jackson, Ohio
Johnson, Iva.....Hardin, Ohio
Johnston, Rowena.....Hardin, Ohio
Kurtz, C. F.....Cumberland, N. J.
Kershaw, Bessie.....Allen, Ohio
Lawrence, Gladys M.....Marion, Ohio
LaRue, Gertrude.....Crawford, Ohio
Lockwood, Otis B....Champaign, Ohio
Pool, Daisy D.....Wyandot, Ohio
Parker, Mary.....Allen, Ohio
Peoples, Mollye.....Hardin, Ohio
Ream, Robert G.....Summit, Ohio
Riley, Okla L .....Allen, Ohio
Rutledge, J. H.....Hardin, Ohio
Reynolds, Fern.....Huron, Ohio
Totten, Marion D.....Trumbull, Ohio
Wilson, Edith.....Hardin, Ohio
Wollam, Nora.....Hardin, Ohio
Weyer, Myrtle.....Paulding, Ohio
Zeller, Della.....Hardin, Ohio

Piano

Allton, Pearl.....Shelby, Ohio
Aikin, N. Leona.....Clinton, Ohio
Beaty, Gladys.....Hardin, Ohio
Bales, Clara.....Hardin, Ohio
Briggs, Grace E.....Hardin, Ohio
Beckham, Bess.....Union, Ohio
Brown, Mabel.....Hardin, Ohio
Burns, Mrs. Lillian....Wyandot, Ohio
Bowman, Bessie.....Lucas, Ohio
Burgess, Belva L....Coshocton, Ohio
Berg, Bessie.....Paulding, Ohio
Blanchard, Aline.....Paulding, Ohio
Clouse, B. Gayle.....Morrow, Ohio
Contris, Edna.....Allen, Ohio
Cotner, Ida.....Hardin, Ohio
Crowl, Marie.....Beaver, Pa.
Cron, Ora.....Mercer, Ohio
Campbell, Freda.....Holmes, Ohio
Clymer, Oscar.....Henry, Ohio
Case, Vae.....Wyandot, Ohio
Dearth, Ilo.....Hardin, Ohio
Dingledine, Elizabeth,.....
.....Van Wert, Ohio
David, Blanche.....Union, Ohio
Dukes, Ruth E.....Putnam, Ohio
Dukes, Lela.....Putnam, Ohio
Dickey, Anna E.....Armstrong, Pa.
Ewing, Eugene.....Hardin, Ohio
Ellis, Harold I.....Fayette, Pa.
Elvers, Mrs, J. C.....Hardin, Ohio
Edwards, Katherine....Hardin, Ohio
Emerson, Ada.....Coshocton, Ohio
Faust, Edna, M.....Franklin, Ohio
Faulkner, Mabel.....Shelby, Ohio
Foltz, Mrs. P. J.....Hardin, Ohio
Foster, Eva.....Van Wert, Ohio
Fry, Augusta.....Union, Ohio
Garwood, Florence.....Hardin, Ohio
Green, Harry.....Guernsey, Ohio
Haupt, Elizabeth....Columbiana, Ohio
Howell, Mabel G.....Auglaize, Ohio
Hughes, Norma.....Holmes, Ohio
Herkimer, Della.....Henry, Ohio
Huggett, Adah.....Hardin, Ohio
Hiveley, Carrie.....Hardin, Ohio
Jones, Jennie.....Jackson, Ohio
Keith, Carrie.....Stark, Ohio
Kreisel, Clara.....Wyandot, Ohio
LaRue, Mamie.....Hancock, Ohio
Larue, Gertrude.....Crawford, Ohio

Lockwood, Otis B....Champaign, Ohio
Laughray, Cora.....Union, Ohio
Morris, Bessie.....Auglaize, Ohio
Mahon, Mamie.....Hardin, Ohio
Miller, Anna Rose.....Hardin, Ohio
Mann, Edith.....Hardin, Ohio
Marple, Bernice.....Licking, Ohio
Mills, Lucile.....Ashtabula, Ohio
Ohls, Lillian E.....Richland, Ohio
Palmer, Howard.....Knox, Ohio
Prater, Ura.....Allen, Ohio
Powell, Ada.....Stark, Ohio
Parker, Mary.....Allen, Ohio
Patrick, W. H.....Logan, Ohio
Rumbaugh, Cadda.....Allen, Oiho
Raabe, Olga.....Putnam, Ohio
Rolli, Anola.....Stark, Ohio
Rowan, Mabel.....Mercer, W. Va.
Smith, Elma A.....Morrow, Ohio
Smith, Leona.....Shelby, Ohio
Seidner, Uarda.....Hardin, Ohio
Schiff, Harry.....Hardin, Ohio
Thomas, Maud.....Jackson, Ohio
Tuttel, Daisy.....Hardin, Ohio
Tickel, Margaret.....Van Wert, Ohio
Veatch, R. F.....Hardin, Ohio
Vanorsdall, Luella .....Hardin, Ohio
White, Leah.....Allen, Ohio
Washburn, Helen.....Jackson, Ohio
Wilson, Nellie.....Hardin, Ohio
Zeller, Della.....Hardin, Ohio
Zehner, Bertha.....Hardin, Ohio

Pipe Organ

George, Chas. M....Muskingum, Ohio
Kerr, Etta.....Hardin, Ohio
Mann, Coral.....Hardin, Ohio
Powell, Ada.....Stark, Ohio

Cornet

Baughman, Ross.....Hancock, Ohio
Palmer, Howard.....Knox, Ohio

Violin

Drake, Susie.....Hardin, Ohio
Hively, John.....Hardin, Ohio
Lockwood, Otes B....Champaign, Ohio
Morse, Geo. B.....Champaign, Ohio
Mericle, Clarence.....Allen, Ohio
Palmer, Howard.....Knox, Ohio
Wetmore, Fred.....Warren, Pa.
Weaver, Clair.....Hardin, Ohio

Harmony

Aiken, N. Leona.....Clinton, Ohio
Bales, Clara.....Hardin, Ohio
Briggs, Grace E.....Hardin, Ohio
Cotner, Ida.....Hardin, Ohio
Crowl, Marie.....Beaver, Pa.
Dingledine, Elizabeth.....Van Wert, Ohio
Dickey, Anna, E.....Armstrong, Ohio
Edwards, E. L.....Medina, Ohio
Faust, Edna, M.....Delaware, Ohio
Faulkner, Mabel.....Shelby, Ohio
Haupt, Elizabeth....Columbiana, Ohio
Hickernell, Bessie.....Hardin, Ohio
Howell, Mabel G.....Auglaize, Ohio
Hayes, Mildred.....Licking, Ohio
Huggett, Adah.....Hardin, Ohio
Keith, Carrie.....Stark, Ohio
Morris, Bessie.....Auglaize, Ohio
Mahan, Mamie.....Hardin, Ohio
Mann, Edith.....Hardin, Ohio
Marple, Bernice.....Licking, Ohio
Palmer, Howard.....Knox, Ohio
Parker, Mary.....Allen, Ohio
Raabe, Olga.....Putnam, Ohio
Reynolds, Fern.....Huron, Ohio
Smith, Elma A.....Morrow, Ohio
Totten, Marion D.....Trumbull, Ohio
Tickle, Margaret.....Van Wert, Ohio
Wilson, Edith.....Hardin, Ohio

Public School Music

Hayes, Mildred, ...Licking, Ohio
Kerr,Etta.....Hardin, Ohio
Reynolds, Fern.....Huron, Ohio
Totten, Marion D.....Trumbull, Ohio
Zeller, Della.....Hardin, Ohio

Theory of Music

Bales, Clara.....Hardin, Ohio
Cotner, Ida.....Hardin, Ohio
Howell, Mabel G.....Auglaize, Ohio
Mahon, Mamie.....Hardin, Ohio
Raabe, Olga.....Putnam, Ohio
Reynolds, Fern.....Huron, Ohio
Totten, Marion D.....Trumbull, Ohio
Tickle, Margaret.....Van Wert, Ohio

Musical History

Bales, Clara.....Hardin, Ohio
Cotner, Ida.....Hardin, Ohio
Crowl, Marie.....Beaver, Pa.
Faulkner, Mabel.....Shelby, Ohio
Hayes, Mildred.....Licking, Ohio
Mahon, Mamie.....Hardin, Ohio
Totten, Marion D.....Trumbull, Ohio

COLLEGE OF FINE ARTS

Water Color Painting

Balyeat, Vernon....Van Wert, Ohio
Chaffee, Elsie.....Lake, Ohio
Conkle, Elizabeth.....Hardin, Ohio
Degler, Leila,.....Hardin, Ohio
Dodge, Emma.....Union, Ohio
Dudley, D. G.....Guernsey, Ohio
Foltz, Datha.....Hardin, Ohio
Fent, Ralph,.....Hardin, Ohio
Garverick, Clara.....Crawford, Ohio
Guisinger, Elizabeth.....Hardin, Ohio
Jolley, L. H.....Union, Ohio
Klingler, Delia.....Hardin, Ohio
Long, E. E.....Hardin, Ohio
Linkhart, Minnie.....Putnam, Ohio
Martin, DeBritto.....Hardin, Ohio
Storer, Mildred.....Warren, Ind.
Stanfield, F. D.....Logan, Ohio
Swisher, Louise.....Fairfield, Ohio
Thomas, O. B.....Hardin, Ohio
Wiley, Edna.....Union, Ohio
Woodbury, Clarence....Randolph, Ind.

China Painting

Degler, Leila.....Hardin, Ohio
Hurst, Lula.....Tuscarawas, Ohio
Martin, DeBritto.....Hardin, Ohio
Miller, Virginia.....Hardin, Ohio
Morrow, Mayme.....Hardin, Ohio
Neubert, Grace.....Hardin, Ohio
Park, Mrs. J. G.....Hardin, Ohio
Woodard, Ruth.....Hardin, Ohio

Oil Painting

Chambers, Jennie.....Franklin, Ohio
Homrighous, Dora.....Fairfield, Ohio
Woodbury, Clarence....Randolph, Ind.

Pen and Ink

Balyeat, Vernon.....Van Wert, Ohio
Wiley, Edna.....Union, Ohio
Woodbury, Clarence....Randolph, Ind.

Special Drawing

Black, Elizabeth.....Hardin, Ohio
Dobbins, Hazel.....Hardin, Ohio
Dodge, Emma.....Union, Ohio
Evans, Harold.....Union, Ohio
Engle, Mary.....Somerset, Pa.
Foltz, Datha.....Hardin, Ohio
Jolley, L. H.....Union, Ohio
Kirkpatrick, Sadie.....Hardin, Ohio
Masters, J. M.....Trumbull, Ohio
Mann, Brice.....Hardin, Ohio
Swisher, Louise.....Fairfield, Ohio
Thomas, O. B.....Hardin, Ohio
Wiley, Edna.....Union, Ohio
Wiseley, May.....Hardin, Ohio
Zimmerman, Elizabeth, Somerset, Pa.

SUMMARY

HONORARY DEGREES 13

College of Liberal Arts

Master Degrees....9

Graduates—
- Classical....13
- Literature....4
- Scientific....54
- English....4
- Teachers....23
- Common School....3

Past, Graduates....9

Undergraduates—
- Classical....56
- Literature....18
- Scientific....283
- English....7
- Teachers....482
- Biblical....3
- Preparatory....110
- Special....29
- Unclassified....15

College of Engineering

Graduates—
- Civil....38
- Mechanical....7
- Electrical....10
- Municipal....1
- Mining....2
- Architecture....1

Undergraduates—
- Civil....211
- Mechanical....29
- Electrical....69
- Architecture....14
- Mining....4

College of Law

Graduates....21

Undergraduates....53

College of Pharmacy

Graduates....13

Undergraduates....83

College of Commerce

Graduates—
- Business....28
- Stenography....6

Undergraduates—
- Business....77
- Stenography and Typewriting....16
- Special Penmanship....18

College of Expression

Graduates....10

Undergraduates....65

College of Music

Graduates—
- Piano....
- Voice....1
- Harmony....7
- Public School Music....3
- Musical History....6
- Theory of Music....6
- Counterpoint....1

Undergraduates—
- Voice....33
- Piano....81
- Violin....8
- Cornet....2
- Organ....4
- Harmony....28
- Public School Music....5
- Theory of Music....8
- Musical History....7

College of Fine Arts

Graduates....1

Undergraduates....48

INDEX

Admission by Certificate..... 29
Admission, Requirements for.... 29
Aesthetics, Course in..... 49
Aid to Students. 24
Algebra, Co rses in..... 45
Announcement 3
Architecture, Course in..... 73
Arriv l, What to do on. 25
Art, Expenses in School of..... 125
Astronomy, Course in..... 46
Biological Sciences..... 37
Biology, Course in..... 37
Board and Rooms, Cost of..... 24
Botany, Course in..... 37
Buildings..... 18
Business Course..... 83
Calendar..... 7
Certificate, Admission by..... 29
Chemistry, Courses in..... 48
Christian Evidences, Course in.. 37
Civics, Course in..... 50
Civil Engineering, Course in.... 67
Colleges and Schools
  Commerce 79
  Engineering..... 63
  Law..... 91
  Liberal Arts..... 27
  Music..... 107
  Pharmacy 99
  Normal 54
  Fine Arts..... 123
  School of Expression..... 117
Collegiate Courses..... 33
College Year..... 7
Commencement Week..... 7
Committees of
  Faculty..... 13
  Trustees..... 9
Common School Course..... 56
Conference Visitors..... 9
Curricula 19
  Architecture..... 73
  Biblical..... 36
  Business 83
  Civil Engineering..... 66
  Classical..... 38
  Common School..... 56
  Counterpoint..... 112
  English..... 34
  Electrical Engineering..... 68
  Harmony 112
  Law..... 95
  Literature 34
  Mechanical Engineering..... 70
  Mining Engineering..... 72
  Municipal and Sanitary Eng.. 71
  Pharmacy 103
  Piano Forte..... 111
  Pipe Organ..... 112
  Preparatory Subjects..... 30
  Public Speaking, Clergymen's 120
  Public Speaking, Entertainer's 120
  Public Speaking, Orators'..... 119
  Public Speaking, Lecturers'... 119
  Scientific..... 33
  Stenography..... 87
  Teachers'..... 57
  Violin..... 111
Courses, Description of..... 36
Debating League..... 20
Debating Societies..... 20
Degrees 19
Economics, Course in..... 50
Electives..... 35
Elocution, Instruction in..... 118
Employment Bureau..... 59
English Literature, Courses in.. 40
Entrance, Time of..... 17
Examinations, Time of..... 50
Expenses
  Board and Rooms.. 24
  Tuition in
    College of Commerce 89
    College of Engineering..... 78
    College of Law..... 97
    College of Liberal Arts..... 50
    College of Music..... 114
    College of Pharmacy..... 106
    Normal School..... 59
    School of Fine Arts..... 125
    School of Expression..... 122
Equipment, Material..... 18
Ethics, Course in..... 49
Evi. in Christianity, Course in.. 37
Faculty of the University..... 10
Faculty of College of Commerce 81
Faculty of Engineering 64
Faculty of Law..... 92
Faculty of Liberal Arts..... 28
Faculty of Music 108
Faculty of Pharmacy..... 99
Faculty of Normal School..... 54
Faculty of School of Fine Arts. 123
Faculty of School of Expression 118
Fees, Laboratory..... 51
French Courses..... 47
Geology, Courses in..... 41
Geometery, Courses in..... 45
German, Course in..... 47
Government 21
Graduates Student, Roll of 135
Greek, Courses in..... 41
Historical Sketch..... 15
History, Courses in..... 43
Italian, Courses in..... 47
Laboratories
  Biological 18
  Chemical 18
  Pharmical..... 19
  Physical 18
  Laboratory Fees..... 51
Latin, Courses in..... 43
Law, College of..... 91
  Admission..... 93
  Course of Instruction..... 95
  Degrees..... 93
  Faculty..... 92
  Tuition 97
Libraries 19
Library, Committee on.....9, 13

Literary Societies 20
Literature, Courses in 40
Loan Funds 24
Location of University 15
Logic, Courses in 47
Math. and Astrom., Courses in .. 45
Material Equipment 18
Matriculation 25
Military Department 127
Modern Languages, Courses in .. 47
Moot Courts 95
Moral and Religious Culture 22
Museums
  Biological 18
  Geological 28
Music, School of 108
  Courses 111
  Expenses 114
  Graduation Requirements 109
Normal School 53
Object of University 17
Opening, Time of 7
Oratorical and Debating Soc's .. 20
Oratory, Instruction in 119
Oratory, Prizes 21
Penmanship 88
Pharmacy, Courses in 105
Philosophy, Courses in 49
Physics, Courses in 48
Physiology 39
Preparatory Requirements 30
Psychology, Courses in 49
Prizes, Military 131
Refunding 51
Registration 25
Religious Culture 22
Requirements for Admission 29
Reports to Parents 26
Rhetoric, Courses in 39
Schedule of Classes 77
Schedule of Electives 35
Senate, Student 21
Sociology Courses in 50
Spanish, Courses in 47
Stenography 87
Students, Alphabetical List of .. 135
  College of Commerce 137
  College of Engineering 136
  College of Law 137
  College of Liberal Arts 135
  College of Music 138
  College of Pharmacy 137
  College of Fine Arts 139
  College of Expression 138
  Summary of 156
Summer School 58
Trigonometry, Courses in 45
Term Plan 57
Text Book List 61
Trustees, Board of 8
  Committees of 9
  Officers of 8
Typewriting Department 18
Unique Features of O. N. U. 17
What to do on Arrival 25
Voice Culture 110
Y. M. C. A 23
Y. W. C. A 23
Zoology, Courses in 38

Form of Bequest.

In the name of the Benevolent Father of all,

I _____
(Name.)

do make and publish this my last will and testament:

Item 1. I give, devise and bequeath to the

Ohio Northern University

located at Ada, Hardin County, Ohio, the following_____

_____

_____

_____

I do revoke all former wills by me made in regard to or effecting said property.

In testimony hereof I have hereunto set my hand on this the_____day of_____19___

Name_____

The foregoing will was signed and acknowledged by the said_____

_____

in our presence as h_____ last will and testament.

Witnesses { _____ _____

University Bulletins

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